Author Index to Volume 228
April–June 1985

Publisher: WILLIAM D. CAREY

Editor: DANIEL E. KOSHLAND, JR.

Deputy Editors

PHILIP H. ABELSON (Engineering and Applied Sciences)
JOHN I. BRAUMAN (Physical Sciences)
GARDNER LINDZEY (Social Sciences)

Editorial Board

PHILIP W. ANDERSON
DAVID BALTIMORE
ANSLEY J. COALE
JOSEPH L. GOLDSTEIN
LEON KNOPOFF
SEYMOUR LIPSET
WALTER MASSEY
OLIVER E. NELSON
ALLEN NEWELL
RUTH PATRICK
VERA C. RUBIN
HOWARD E. SIMMONS
SOLOMON H. SNYDER
ROBERT M. SOLOW

Board of Reviewing Editors

JAMES P. ALLISON
LUIS W. ALVAREZ
DON L. ANDERSON
KENNETH J. ARROW
C. PAUL BIANCHI
ELIZABETH H. BLACKBURN
FLOYD E. BLOOM
MICHAEL S. BROWN
NINA V. FEDEROFF
GARY FELSENFELD
DOUGLAS J. FUTUYMA
THEODORE H. GEBALLE
STEPHEN P. GOFF
PATRICIA S. GOLDMAN-RAKIC
RICHARD M. HELD
GLORIA HEPPNER
ERIC F. JOHNSON
KONRAD B. KRAUSKOPF
PAUL E. LACY
JOSEPH B. MARTIN
JOHN C. McGIFF
MORTIMER MISHKIN
JOHN S. PEARSE
YESHAYAU POCKER
FREDERIC M. RICHARDS
JAMES E. ROTHMAN
RONALD H. SCHWARTZ
OTTO T. SOLBRIG
ROBERT T. N. TJIAN
VIRGINIA TRIMBLE
GEERAT J. VERMEIJ
MARTIN G. WEIGERT
GEORGE M. WHITESIDES
WILLIAM B. WOOD
HARRIET ZUCKERMAN

Published by the

American Association for the Advancement of Science

1515 Massachusetts Avenue, NW, Washington, D.C. 20005

Printed in Richmond, Virginia, by William Byrd Press

Copyright 1985 by the American Association for the Advancement of Science

A

Aaronson, Stuart A. *See* Callahan, Robert.
Abelson, John. *See* Brody, Edward.
Abelson, Philip H. (editorials): Electric power from the north. v228 p1487 28 June 85. Evolving patterns of energy production and use. v228 p531 3 May 85. Waste management. v228 p1145 7 June 85. World supplies of natural gas. v228 p1263 14 June 85. Review of *Radiant Science, Dark Politics*, by Martin D. Kamen. v228 p845–846 17 May 85.
Ackerman, Joseph J. H. *See* Deuel, Ruthmary K.
Acton, Edward M. *See* Sikic, Branimir Ivan.
Adelson, Joel W. and Miller, Paul E.: Pancreatic secretion by nonparallel exocytosis: potential resolution of a long controversy. v228 p993–996 24 May 85.
Aftergood, Steven: Nuclear reactor safety (letter). v228 p1385 21 June 85.
Ahern, Tim J. and Klibanov, Alexander M.: The mechanism of irreversible enzyme inactivation at 100°C. v228 p1280–1284 14 June 85.
Albert, Melody. *See* Davis, Hank.
Aldrich, Richard: review of *Ionic Channels of Excitable Membranes*, by Bertil Hille. v228 p867–868 17 May 85.
Allan, Andrea M. *See* Harris, R. Adron.
Allan, D. W.; Weiss, M. A.; Ashby, N.: Around-the-world relativistic sagnac experiment. v228 p69–70 5 Apr 85.
Allan, J. S. *See* Barin, F.
——; Coligan, J. E.; Barin, F.; McLane, M. F.; Sodroski, J. G.; Rosen, C. A.; Haseltine, W. A.; Lee, T. H.; Essex, M.: Major glycoprotein antigens that induce antibodies in AIDS patients are encoded by HTLV-III. v228 p1091–1094 31 May 85.
Altar, C. Anthony; O'Neil, Stephen; Walter, Robert J., Jr.; Marshall, John F.: Brain dopamine and serotonin receptor sites revealed by digital subtraction autoradiography. v228 p597–600 3 May 85.
Altman, Sidney. *See* Baer, Madeline.
Amsterdam, J. *See* Rott, R.
Anderson, J. G.; Hazen, N. L.; McLaren, B. E.; Rowe, S. P.; Schiller, C. M.; Schwab, M. J.; Solomon, L.; Thompson, E. E.; Weinstock, E. M.: Free radicals in the stratosphere: a new observational technique. v228 p1309–1311 14 June 85.
Anderson, John R.; Boyle, C. Franklin; Reiser, Brian J.: Intelligent tutoring systems. v228 p456–462 26 Apr 85.
Anderson, R. M. *See* Schad, G. A.
Anderson, W. French. *See* Martin, Malcolm A.
Anfinsen, Christian B.; Flory, Paul J.; Penzias, Arno A.: NAS exchange protocol (letter). v228 p530 3 May 85.
Antal, Michael J., Jr.: Biomass programs (letter). v228 p264 19 Apr 85.
Arnold, F. *See* West, D. C.
Arthur, Larry O. *See* Robey, W. Gerard.
Ashby, N. *See* Allan, D. W.
Atchley, William R. *See* Fitch, Walter M.
Attwood, David; Halbach, Klaus; Kim, Kwang-Je: Tunable coherent x-rays. v228 p1265–1272 14 June 85.
Aust, Steven D. *See* Bumpus, John A.

B

Babiss, Lee E.; Zimmer, Stephen G.; Fisher, Paul B.: Reversibility of progression of the transformed phenotype in Ad5-transformed rat embryo cells. v228 p1099–1101 31 May 85.
Baer, Madeline and Altman, Sidney: A catalytic RNA and its gene from *Salmonella typhimurium*. v228 p999–1002 24 May 85.
Bakker, Anke. *See* Desrosiers, Ronald C.
Balandrin, Manuel F.; Klocke, James A.; Wurtele, Eve Syrkin; Bollinger, Wm. Hugh: Natural plant chemicals: sources of industrial and medicinal materials. v228 p1154–1160 7 June 85.
Ballou, W. Ripley. *See* Young, James F.
——; Rothbard, Jonathan; Wirtz, Robert A.; Gordon, Daniel M.; Williams, Joseph S.; Gore, Rufus W.; Schneider, Imogene; Hollingdale, Michael R.; Beaudoin, Richard L.; Maloy, W. Lee; Miller, Louis H.; Hockmeyer, Wayne T.: Immunogenicity of synthetic peptides from circumsporozoite protein of *Plasmodium falciparum*. v228 p996–999 24 May 85.
Baltimore, David. *See* Lewis, Susanna.
Barin, F. *See* Allan, J. S.
——; McLane, M. F.; Allan, J. S.; Lee, T. H.; Groopman, J. E.; Essex, M.: Virus envelope protein of HTLV-III represents major target antigen for antibodies in AIDS patients. v228 p1094–1096 31 May 85.
Barnosky, Anthony D.: Taphonomy and herd structure of the extinct Irish elk, *Megaloceros giganteus*. v228 p340–344 19 Apr 85.
Barone, A. D. *See* Chang, N. T.
Barr, Philip J. *See* Craik, Charles S.
Barron, Roderick W. *See* Davis, Hank.
Baserga, Renato. *See* Kaczmarek, Leszek.
Bases, Robert: Diagnostic ultrasound (letter). v228 p648, 650 10 May 85.
Batra, Lekh R. and Batra, Suzanne W. T.: Floral mimicry induced by mummy-berry fungus exploits host's polinators as vectors. v228 p1011–1013 24 May 85.
Batra, Suzanne W. T. *See* Batra, Lekh R.
Beal, M. Flint. *See* Tran, Vinh T.
Beam, Carl A.: Information storage (letter). v228 p1040 31 May 85.
Beaudoin, Richard L. *See* Ballou, W. Ripley. *See also* Young, James F.
Beer, John J.: review of *Boussingault*, by F. W. J. McCosh. v228 p65–66 5 Apr 85.
Behbehani, A. M.: Geophagical clay: medicinal effects (letter). v228 p130 12 Apr 85.
Belcher, Anne M. *See* Smith, Amos B., III.
Belkin, M. *See* Schwartz, M.
Bell, C. Gordon: Multis: a new class of multiprocessor computers. v228 p462–467 26 Apr 85.
Bell, Graeme I. *See* Südhof, Thomas C.
Bell, Michael A.: review of *A Functional Biology of Sticklebacks*, by R. J. Wootton. v228 p574 3 May 85.
Bernardi, Giorgio; Olofsson, Birgitta; Filipski, Jan; Zerial, Marino; Salinas, Julio; Cuny, Gerard; Meunier-Rotival, Michele; Rodier, Francis: The mosaic genome of warm-blooded vertebrates. v228 p953–958 24 May 85.
Bernheimer, Alan W.; Campbell, Benedict J.; Forrester, Lawrence J.: Comparative toxinology of *Loxosceles reclusa* and *Corynebacterium pseudotuberculosis*. v228 p590–591 3 May 85.
Berridge, Kent C. and Fentress, John C.: Trigeminal-taste interaction in palatability processing. v228 p747–750 10 May 85.
Bertness, Mark D.: review of *Marine Ecological Processes*, by Ivan Valiela. v228 p1083–1084 31 May 85.
Bertsch, G.: review of *Treatise on Heavy-Ion Science*, edited by D. Allan Bromley. v228 p858–859 17 May 85.
Bieging, J. H. *See* Welch, W. J.
Biggley, W. H. *See* Seliger, H. H.
Binzel, Richard P.; Tholen, David J.; Tedesco, Edward F.; Buratti, Bonnie J.; Nelson, Robert M.: The detection of eclipses in the Pluto-Charon system. v228 p1193–1195 7 June 85.
Blake, Randolph: review of *Visual Masking*, by Bruno G. Breitmeyer. v228 p864–865 17 May 85.
Blattner, Frederick R. *See* White, Marga Belle.
Bluestone, Jeffrey A. *See* Frels, William I.
Bock, Barrett N. *See* Goetz, Alexander F. H.
Bockris, J. O'M.: Photovoltaic energy (letter). v228 p6 5 Apr 85.
Boggs, J. A. *See* Seliger, H. H.
Bollinger, Wm. Hugh. *See* Balandrin, Manuel F.
Bolt, Bruce A.: review of *The Atom and the Fault*, by Richard L. Meehan. v228 p848–849 17 May 85.
Bonthron, David T. *See* Ginsburg, David.
Borges, Lawrence F.; Elliott, Peter J.; Gill, Ramanjit; Iversen, Susan D.; Iversen, Leslie L.: Selective extraction of small and large molecules from the cerebrospinal fluid by Purkinje neurons. v228 p346–348 19 Apr 85.
Bornkamm, G. W. *See* Cleary, M. L.
Bornstein, Murray B. *See* Sheppard, Rachel D.
Bottazzo, G. Franco. *See* Londei, Marco.
Boudart, M.; Dalla Betta, R. A.; Foger, K.; Löffler, D. G.; Samant, M. G.: Study by synchrotron radiation of the structure of a working catalyst at high temperatures and pressures. v228 p717–719 10 May 85.
Bouthenet, Marie-Louise. *See* Martres, Marie-Pascale.
Boyle, C. Franklin. *See* Anderson, John R.
Brew, Keith. *See* Pervaiz, Syed.
Brewer, George J.: review of *Genetic Variability in Responses to Chemical Exposure*, edited by Gilbert S. Omenn and Harry V. Gelboin. v228 p1305–1306 14 June 85.
Briggs, Derek E. G. *See* Mikulic, Donald G.
Briggs, Martha S.; Gierasch, Lila M.; Zlotnick, Adam; Lear, James D.; DeGrado, William F.: In vivo function and membrane binding properties are correlated for *Escherichia coli* LambB signal peptides. v228 p1096–1099 31 May 85.
Brody, Edward and Abelson, John: The "spliceosome": yeast pre-messenger RNA associates with a 40*S* complex in a splicing-dependent reaction. v228 p963–967 24 May 85.
Brower, Steven T. *See* Weinberger, Cary.
Brown, Alexandra L. *See* Peltz, Stuart W.
Brown, Byron W. *See* Sikic, Branimir Ivan.
Brown, Eugene L. *See* Wong, Gordon C.
Brown, Laurie M.: review of *Constructing Quarks*, by Andrew Pickering. v228 p857–858 17 May 85.
Brown, Michael S. *See* Südhof, Thomas C.
Brown, Patricia J. and Juliano, R. L.: Selective inhibition of fibronectin-mediated cell adhesion by monoclonal antibodies to a cell-surface glycoprotein. v228 p1448–1451 21 June 85.
Brownstein, Michael J. *See* Zamir, Nadav.
Bruns, Gail A. P. *See* Ginsburg, David.
Brussard, Peter F.: review of *The Biology of Butterflies*, edited by R. I. Vane-Wright and P. R. Ackery. v228 p711–712 10 May 85.
Bumpus, John A.; Tien, Ming; Wright, David; Aust, Steven D.: Oxidation of persistent environmental pollutants by a white rot fungus. v228 p1434–1436 21 June 85.
Buratti, Bonnie J. *See* Binzel, Richard P.
Burke, Kevin: review of *Rio Grande Rift*, edited by Scott Baldridge, Patricia Wood Dickerson, Robert E. Riecker, and Jiri Zidek. v228 p1521 28 June 85.
Burlingame, Rufus W.; Love, Warner E.; Wang, Bi-Chen; Hamlin, Ron; Xuong, Nguyen-Huu; Moudrianakis, Evangelos N.: Crystallographic structure of the octameric histone core of the nucleosome at a resolution of 3.3 Å. v228 p546–553 3 May 85.
Butow, Ronald A.; Perlman, Philip S; Grossman, Lawrence J.: The unusual *var1* gene of yeast mitochondrial DNA. v228 p1496–1501 28 June 85.

C

Caldwell, Harlan D. *See* Nano, Francis E.
Callahan, Robert; Chiu, Ing-Ming; Wong, James F. H.; Tronick, Stephen R.; Roe, Bruce A.; Aaronson, Stuart A.; Schlom, Jeffrey: A new class of endogenous human retroviral genomes. v228 p1208–1211 7 June 85.
Campbell, Benedict J. *See* Bernheimer, Alan W.
Campbell, James W.; Smith, Darwin D., Jr.; Vorhaben, Jean E.: Avian and mammalian

mitochondrial ammonia-detoxifying systems in tortoise liver. v228 p349–351 19 Apr 85.
Campen, Thomas J. *See* Ritz, Jerome.
Cane, Mark A. and Zebiak, Stephen E.: A theory for El Niño and the Southern Oscillation. v228 p1085–1087 31 May 85.
Cantor, Charles R. *See* Van der Ploeg, Lex H.
Capecchi, Mario R. *See* Frels, William I.
Carbone, Amy. *See* Jones, Carol.
Carey, William D. (editorials): Science: matters of scale and purpose. v228 p7 5 Apr 85. A welcome grace note. v228 p797 17 May 85.
Carignan, R. and Tessier, A.: Zinc deposition in acid lakes: the role of diffusion. v228 p1524–1526 28 June 85.
Cassidy, David C.: review of *The Beginnings of the Nobel Institution*, by Elisabeth Crawford. v228 p841–843 17 May 85.
Cavenee, Webster K.; Hansen, Marc F.; Nordenskjold, Magnus; Kock, Eric; Maumenee, Irene; Squire, Jeremy A.; Phillips, Robert A.; Gallie, Brenda L.: Genetic origin of mutations predisposing to retinoblastoma. v228 p501–503 26 Apr 85.
Cech, Thomas R. *See* Price, James V.
Chabre, M. *See* Pfister, C.
Chakrabarty, A. M. *See* Ghosal, D.
Chanda, P. K. *See* Chang, N. T.
Chandler, David: review of *Theory of Molecular Fluids*, C. G. Gray and K. E. Gubbins. v228 p1191–1192 7 June 85.
Chandra, Subhash and Morrison, George H.: Imaging elemental distribution and ion transport in cultured cells with ion microscopy. v228 p1543–1544 28 June 85.
Chang, N. T.; Chanda, P. K.; Barone, A. D.; McKinney, S.; Rhodes, D. P.; Tam, S. H.; Sherman, C. W.; Huang, J.; Chang, T. W.; Gallo, R. C.; Wong-Staal, F.: Expression in *Escherichia coli* of open reading frame gene segments of HTLV-III. v228 p93–96 5 Apr 85.
Chang, T. W. *See* Chang, N. T.
Charlson, Robert J. and Kowalski, Bruce R.: Acid rain: statistical analysis of ionic correlations questioned (technical comment). v228 p1552–1553 28 June 85.
Chatterjee, D. K. *See* Ghosal, D.
Chen, Irvin S. Y. *See* Slamon, Dennis J. *See also* Wachsman, William.
Chen, J. H. *See* Rettenmier, Carl W.
Chiorazzi, Nicholas. *See* Rodman, Toby C.
Chisari, Francis V. *See* Milich, David R.
Chiu, Ing-Ming. *See* Callahan, Robert.
Chronesky, Elizabeth A.: review of *Corals and Coral Reefs of the Galápagos Islands*, by Peter Glynn and Gerard M. Wellington. v228 p1522–1523 28 June 85.
Ciaravino, Victor. *See* Miller, Morton W.
Cidlowski, John. *See* Weinberger, Cary.
Clark, Steven C. *See* Wachsman, William. *See also* Wong, Gordon C.
Cleary, M. L.; Epstein, M. A.; Finerty, S.; Dorfman, R. F.; Bornkamm, G. W.; Kirkwood, J. K.; Morgan, A. J.; Sklar, J.: Individual tumors of multifocal EB virus–induced malignant lymphomas in tamarins arise from different B-cell clones. v228 p722–724 10 May 85.
Cline, Martin J. *See* Slamon, Dennis J.
Cochrane, Allan H. *See* Zavala, Fidel.
Cohen, Bernard. *See* Waespe, Walter.
Cohen, Linda: review of *Controlling the Atom*, by George T. Mazuzan and J. Samuel Walker. v228 p847–848 17 May 85.
Cole, G. E. *See* Innis, M. A.
Cole, Harry W. *See* Ray, William J.
Coligan, J. E. *See* Allan, J. S.
Collins, Anita M. *See* Rinderer, Thomas E.
Colombani, Paul M.; Robb, Adelaide; Hess, Allan D.: Cyclosporin A binding to calmodulin: a possible site of action on T lymphocytes. v228 p337–339 19 Apr 85.
Colten, Harvey R. *See* Dowton, S. Bruce.
Conklin, Kathleen F. *See* Groudine, Mark.
Cook, A. F.: review of *Planetary Rings*, edited by Richard Greenberg and André Brahic. v228 p573–574 3 May 85.
Cooper, Bernard A. *See* Rosenblatt, David S.
Cooper, David N.: Murine retroviral vectors and human gene therapy (letter). v228 p650, 653 10 May 85.
Corey, E. J.; Long, Alan K.; Rubenstein, Stewart D.: Computer-assisted analysis in organic synthesis. v228 p408–418 26 Apr 85.
Cossman, Jeffrey. *See* Tsujimoto, Yoshihide.
Craik, Charles S.; Largman, Corey; Fletcher, Thomas; Roczniak, Steven; Barr, Philip J.; Fletterick, Robert; Rutter, William J.: Redesigning trypsin: alteration of substrate specificity. v228 p291–297 19 Apr 85.
Crawford, Mark (news and comment): California gears up to bid for the SSC. v228 p1181 7 June 85. Chrysler vs. GM, Ford on fuel rule fines. v228 p307 19 Apr 85. Congress rearranges NRC's priorities. v228 p830–831 17 May 85. Deficit woes spur drive to kill synfuels. v228 p477 26 Apr 85. Gore seeks to resurrect bioethics commission. v228 p1515 28 June 85. Great Plains project hangs in the balance. v228 p1410–1411 21 June 85. Hard times in magnetic fusion. v228 p1069–1071 31 May 85. House committee questions SSC. v228 p309 19 Apr 85. In defense of "Star Wars." v228 p563 3 May 85. Industry wary of tech transfer bills. v228 p1182 7 June 85. NASA plans award to GE despite contract ban. v228 p308 19 Apr 85. NRC considers dropping university reactor rule. v228 p1181 7 June 85. NRC tries to reduce public access. v228 p697 10 May 85. Plans for big science facilities scrutinized. v228 p1514 28 June 85. Prospects brighten for electron acclerator. v228 p161 12 Apr 85. Spotlight falls on U.S. science policy. v228 p691–692 10 May 85. Tax plan would have mixed impact on R&D. v228 p1289 14 June 85. Utilities look to new coal combustion technology. v228 p565 3 May 85. (letter): Cost of Superconducting Super Collider. v228 p1260 14 June 85.
Creasey, Abla A. *See* Wang, Alice M.
Cremer, Kenneth J.; Mackett, Michael; Wohlenberg, Charles; Notkins, Abner Louis; Moss, Bernard: Vaccinia virus recombinant expressing herpes simplex virus type 1 glycoprotein D prevents latent herpes in mice. v228 p737–740 10 May 85.
Crepet, William L. and Taylor, D. W.: The diversification of the Leguminosae: first fossil evidence of the Mimosoideae and Papilionoideae. v228 p1087–1089 31 May 85.
Crissman, Harry A.; Darzynkiewicz, Zbigniew; Tobey, Robert A.; Steinkamp, John A.: Correlated measurements of DNA, RNA, and protein in individual cells by flow cytometry. v228 p1321–1324 14 June 85.
Croce, Carlo M. *See* Isobe, Masaharu. *See also* Tsujimoto, Yoshihide.
Cruikshank, D. R. *See* Schindler, D. W.
Culberson, William Louis: review of *Biology of Lichenized Fungi*, by James D. Lawrey. v228 p1084 31 May 85.
Culliton, Barbara J. (news and comment): Biomedical delegation lobbies White House. v228 p160 12 Apr 85. Bok puts computers in their place. v228 p697 10 May 85. Deal struck on NIH grants. v228 p970 24 May 85. Gene therapy guidelines revised. v228 p561–562 3 May 85. GM buys Hughes for $5 billion. v228 p1414 21 June 85. Hughes institute poised for growth. v228 p1178–1180 7 June 85. New York mayor honors scientists. v228 p1075 31 May 85. NIH gaining in grants battle. v228 p35 5 Apr 85. Reagan endorses NAE's "Decade III" program. v228 p37 5 Apr 85. Watson fights back. v228 p160 12 Apr 85. (letter): NIH budget growth. v228 p1260 14 June 85.
Cuny, Gerard. *See* Bernardi, Giorgio.
Curren, Rodger D. *See* Grafstrom, Roland C.

D

Dalla Betta, R. A. *See* Boudart, M.
Damasio, Antonio S. *See* Tranel, Daniel.
Daniel, M. D. *See* Kanki, P. J.
_____; Letvin, N. L.; King, N. W.; Kannagi, M.; Sehgal, P. K.; Hunt, R. D.; Kanki, P. J.; Essex, M.; Desrosiers, R. C.: Isolation of T-cell tropic HTLV-III–like retrovirus from macaques. v228 p1201–1204 7 June 85.
Danka, Robert G. *See* Rinderer, Thomas E.
Dantzig, Jody A. *See* Hibberd, Mark G.
Darzynkiewicz, Zbigniew. *See* Crissman, Harry A.
Davies, I. J. *See* Schindler, D. W.
Davies, P. L. *See* Flynn, T. G.
Davis, Hank; Albert, Melody; Barron, Roderick W.: Detection of number of numerousness by human infants (technical comment). v228 p1222 7 June 85.
Davis, Richard S.: review of *Central Asia*, by Philip L. Kohl. v228 p316 19 Apr 85.
Day, Victor W. and Klemperer, Walter G.: Metal oxide chemistry in solution: the early transition metal polyoxoanions. v228 p533–541 3 May 85.
de Bold, A. J. *See* Flynn, T. G.
de Bold, M. L. *See* Flynn, T. G.
de Bruyne, Norman A.: CIBA-GEIGY origins (letter). v228 p1385 21 June 85.
DeFeo-Jones, Deborah; Tatchell, Kelly; Robinson, Lucy C.; Sigal, Irving S.; Vass, William C.; Lowy, Douglas R.; Scolnick, Edward M.: Mammalian and yeast *ras* gene products: biological function in their heterologous systems. v228 p179–184 12 Apr 85.
DeGrado, William F. *See* Briggs, Martha S.
De Kozak, Y. *See* Pfister, C.
DeLong, Edward F. and Yayanos, A. Aristides: Adaptation of the membrane lipids of a deep-sea bacterium to changes in hydrostatic pressure. v228 p1101–1103 31 May 85.
Depper, Joel M. *See* Krönke, Martin.
Desrosiers, R. C. *See* Daniel, M. D. *See also* Kanki, P. J.
Desrosiers, Ronald C.; Bakker, Anke; Kamine, James; Falk, Lawrence A.; Hunt, Ronald D.; King, Norval W.: A region of the *Herpesvirus saimiri* genome required for oncogenicity. v228 p184–187 12 Apr 85.
Dessler, A. J. *See* Michel, F. Curtis.
Deuel, Ruthmary K.; Yue, Genevieve M.; Sherman, William R.; Schickner, David J.; Ackerman, Joseph J. H.: Monitoring the time course of cerebral deoxyglucose metabolism by ^{31}P nuclear magnetic resonance spectroscopy. v228 p1329–1331 14 June 85.
Deuel, Thomas. *See* Jaye, Michael.
Diamond, Jared M. *See* Karasov, William H.
Dickson, David (news and comment): Britain moves to increase technology incentives. v228 p36–37 5 Apr 85. Chemical giants push for patents on plants. v228 p1290–1291 14 June 85. Europe mirrors U.S. debate on car exhaust. v228 p159 12 Apr 85. Europe to start removing lead from gas in 1989. v228 p37 5 Apr 85. Europe tries cooperation on military R&D. v228 p475–476 26 Apr 85. European physicists push alternative to SSC. v228 p968–970 24 May 85. France seeks joint European research. v228 p694 10 May 85. Italian science and the "Rubbia effect." v228 1508–1510 28 June 85. New biotechnology research program in Britain. v228 p564 3 May 85. New French law boosts industrial R&D. v228 p1071 31 May 85. Servan-Schreiber resigns from computing center. v228 p161 12 Apr 85. Slowdown urged in high energy physics. v228 1509, 28 June 85. Soviet high-tech spying detailed in France. v228 p306 19 Apr 85. Summit calls for research integration. v228 p825–826 17 May 85.
Dieperink, Michael E. *See* Stefansson, Kari.
Diggs, Carter L. *See* Young, James F.
DiLella, Anthony G. *See* Ledley, Fred D.
Dobbs, B. J. T.: review of *The Scientific Reinterpretation of Form*, by Norma E. Emerton. v228 p983 24 May 85.
Donlon, Tim A. *See* Leonard, Warren J.
Donlon, Timothy A. *See* Ginsburg, David.
Dorfman, R. F. *See* Cleary, M. L.

Dow, Kimberly E. and Riopelle, Richard J.: Ethanol neurotoxicity: effects on neurite formation and neurotrophic factor production in vitro. v228 p591–593 3 May 85.
Dowton, S. Bruce; Woods, Derek E.; Mantzouranis, Evangelia C.; Colten, Harvey R.: Syrian hamster female protein: analysis of female protein primary structure and gene expression. v228 p1206–1208 7 June 85.
Doyle, Michael P.: Infrastructure (letter). v228 p392 26 Apr 85.
Drohan, William. *See* Jaye, Michael.
D'Souza, S. M. *See* Ibbotson, K. J.
Duby, Allan D. *See* Morton, Cynthia C.
———; Klein, Karen A.; Murre, Cornelis; Seidman, J. G.: A novel mechanism of somatic rearrangement predicted by a human T-cell antigen receptor β-chain complementary DNA. v228 p1204–1206 7 June 85.
Duchin, Faye. *See* Leontief, Wassily.
Duesberg, Peter H.: Activated proto-onc genes: sufficient or necessary for cancer? v228 p669–677 10 May 85.
Dunitz, Jack D.: Electron density distribution in the organic superconductor $(TMTSF)_2AsF_6$: fact and fancy (technical comment). v228 p353–354 19 Apr 85.
Dunne, Thomas. *See* Meade, Robert H.
Dyson, W. *See* Rott, R.

E

Ebert, James D. and Stoto, Michael: NIH budget growth (letter). v228 p1260 14 June 85.
Eddy, Roger L. *See* Morton, Cynthia C.
Edmunds, Leland N., Jr. *See* Goto, Ken.
Edsall, John T.: NAS exchange agreement (letter). v228 p934, 936 24 May 85.
Ehsan, Mohamed N. *See* Sikic, Branimir Ivan.
Eiden, Lee E. *See* Zamir, Nadav.
Elliott, Peter J. *See* Borges, Lawrence F.
Ellisman, Mark H. *See* Fields, R. Douglas.
Emanuel, Beverly S. *See* Isobe, Masaharu.
Emlet, R. B. and Strathman, R. R.: Gravity, drag, and feeding currents of small zooplankton (technical comment). v228 p1016–1017 24 May 85.
Epple, Gisela. *See* Smith, Amos B., III.
Epstein, M. A. *See* Cleary, M. L.
Erickson, Jeanne M.; Rahire, Michèle; Rochaix, Jean-David; Mets, Laurens: Herbicide resistance and cross-resistance: changes at three distinct sites in the herbicide-binding protein. v228 p204–207 12 Apr 85.
Erikson, Jan. *See* Isobe, Masaharu.
Eshbaugh, W. Hardy. *See* Werth, Charles R.
Eshleman, Von R.: review of *The Early Years of Radio Astronomy*, edited by W. T. Sullivan III, and *Serendipitous Discoveries in Radio Astronomy*, edited by K. Kellermann and B. Sheets. v228 p854–856 17 May 85.
Eskay, Robert L. *See* Zamir, Nadav.
Essex, M. *See* Allan, J. S. *See also* Barin, F. *See also* Daniel, M. D. *See also* Kanki, P. J.
Evans, Ronald M. *See* Weinberger, Cary.
Evernden, Jack F.: Verification of nuclear testing (letter). v228 p792, 794 17 May 85.
Extine, M. W. *See* Troup, J. M.

F

Faden, Alan I. *See* Zamir, Nadav.
Falk, Lawrence A. *See* Desrosiers, Ronald C.
Faure, J. P. *See* Pfister, C.
Fazio, Giovanni G.; Field, George B.; Shapiro, Irwin I.; Tananbaum, Harvey D.: Space-based astronomy (letter). v228 p6 5 Apr 85.
Feinberg, Andrew P. *See* Goelz, Susan E.
Feldmann, Marc. *See* Londei, Marco.
Fendrich, Robert: review of *Figural Synthesis*, edited by Peter C. Dodwell and Terry Caelli. v228 p864–865 17 May 85.
Fent, Karl and Wehner, Rüdiger: Ocelli: a celestial compass in the desert ant *Cataglyphis*. v228 p192–194 12 Apr 85.
Fentress, John C. *See* Berridge, Kent C.
Feuerstein, Giora. *See* Zamir, Nadav.
Fidler, Isaiah J. *See* Koff, Wayne C.
Field, George B. *See* Fazio, Giovanni G.
Fields, Howard L.: review of *The Pain System*, by W. D. Willis, Jr. v228 p1522 28 June 85.
Fields, R. Douglas and Ellisman, Mark H.: Synaptic morphology and differences in sensitivity. v228 p197–199 12 Apr 85.
Filipski, Jan. *See* Bernardi, Giorgio.
Finch, Caleb E.: review of *Physiology of Cell Aging*, edited by Vladimir V. Frolkis. v228 p1421–1422 21 June 85.
Findlay, D. L. *See* Schindler, D. W.
Finerty, S. *See* Cleary, M. L.
Fink, Jonathan and Pollard, David: Inyo dike rotation (letter). v228 p1382, 1385 21 June 85.
Fischinger, Peter J. *See* Robey, W. Gerard.
Fisher, Paul B. *See* Babiss, Lee E.
Fitch, Walter M. and Atchley, William R.: Evolution in inbred strains of mice appears rapid. v228 p1169–1175 7 June 85.
Fleischer, B. *See* Rott, R.
Fletcher, Thomas. *See* Craik, Charles S.
Fletterick, Robert. *See* Craik, Charles S.
Fliers, E. *See* Swaab, D. F.
Flory, Paul J. *See* Anfinsen, Christian B.
Flynn, Donna D. *See* Mash, Deborah C.
Flynn, T. G.; Davies, P. L.; Kennedy, B. P.; de Bold, M. L.; de Bold, A. J.: Alignment of rat cardionatrin sequences with the preprocardionatrin sequence from complementary DNA. v228 p323–325 19 Apr 85.
Foger, K. *See* Boudart, M.
Forrester, Lawrence J. *See* Bernheimer, Alan W.
Fox, Tony R. and Watanabe, Philip G.: Detection of a cellular oncogene in spontaneous liver tumors of B6C3F1 mice. v228 p596–597 3 May 85.
Francke, Uta. *See* Yang-Feng, Teresa L.
Frels, William I.; Bluestone, Jeffrey A.; Hodes, Richard J.; Capecchi, Mario R.; Singer, Dinah S.: Expression of a microinjected porcine class I major histocompatibility complex gene in transgenic mice. v228 p577–580 3 May 85.
Frenz, Dorothy A. *See* Newman, Stuart A.
Frey, Perry A. and Sammons, R. Douglas: Bond order and charge localization in nucleoside phosphorothioates. v228 p541–545 3 May 85.
Friedman, Fred K. *See* Song, Byung-Joon.
Friedman, Joel M.: Structure, dynamics, and reactivity in hemoglobin. v228 p1273–1280 14 June 85.
Friedman, L. *See* Slatkin, D. N.
Friedman, Milton J.; Fukuda, Minoru; Laine, Roger A.: Evidence for a malarial parasite interaction site on the major transmembrane protein of the human erythrocyte. v228 p75–77 5 Apr 85.
Friend, Nina F. *See* Sikic, Branimir Ivan.
Fukuda, Minoru. *See* Friedman, Milton J.

G

Gage, John. *See* Joy, William.
Galambos, Louis: review of *The Education of a College President*, by James R. Killian, Jr. v228 p1304 14 June 85.
Gallie, Brenda L. *See* Cavenee, Webster K.
Gallo, R. C. *See* Chang, N. T.
Gallo, Robert C. *See* Robey, W. Gerard.
Garrick, Nancy A. *See* Taylor, Philip A.
Gasson, Judith C. *See* Slamon, Dennis J.
Gebicke-Härter, Peter J. *See* Müller, Hans Werner.
Gelboin, Harry V. *See* Song, Byung-Joon.
Gelfand, D. H. *See* Innis, M. A.
Gelman, Rochel. *See* Starkey, Prentice.
Gelmann, Edward P. *See* Kasid, Attan.
Ghosal, D.; You, I.-S.; Chatterjee, D. K.; Chakrabarty, A. M.: Microbial degradation of halogenated compounds. v228 p135–142 12 Apr 85.
Giannini, Suzanne H. *See* Van der Ploeg, Lex H. T.
Gierasch, Lila M. *See* Briggs, Martha S.
Gifford, Ann. *See* Lewis, Susanna.
Gilbert, James: review of *Technological Utopianism in American Culture*, by Howard P. Segal. v228 p853–854 17 May 85.
Gilbert, Walter: Genes-in-pieces revisited (perspective). v228 p823–824 17 May 85.
Gill, Ramanjit. *See* Borges, Lawrence F.
Ginder, Gordon D.: review of *DNA Methylation*, edited by Aharon Razin, Howard Cedar, and Arthur D. Riggs. v228 p865–866 17 May 85.
Ginsburg, David; Handin, Robert I.; Bonthron, David T.; Donlon, Timothy A.; Bruns, Gail A. P.; Latt, Samuel A.; Arkin, Stuart H.: Human von Willebrand factor (vWF) isolation of complementary DNA (cDNA) clones and chromosomal localization. v228 p1401–1406 21 June 85.
Giulian, Dana and Lachman, Lawrence B.: Interleukin-1 stimulation of astroglial proliferation after brain injury. v228 p497–499 26 Apr 85.
Goddard, William A., III: Experiment and theory (letter). v228 p130 12 Apr 85.
Godson, G. Nigel. *See* Sharma, Shobhona.
Goelz, Susan E.; Vogelstein, Bert; Hamilton, Stanley R.; Feinberg, Andrew P.: Hypomethylation of DNA from benign and malignant human colon neoplasms. v228 p187–190 12 Apr 85.
Goetz, Alexander F. H.; Vane, Gregg; Solomon, Jerry E.; Bock, Barrett N.: Imaging spectrometry for Earth remote sensing. v228 p1147–1153 7 June 85.
Goetzl, Edward J. *See* Spector, Reynold.
Goff, Stephen P. *See* King, Walter. *See also* Lobel, Leslie I. *See also* Martin, Malcolm A.
Goh, Wei Chun. *See* Sodroski, Joseph.
Golde, David W. *See* Slamon, Dennis J. *See also* Wachsman, William. *See also* Wong, Gordon C.
Goldman, Yale E. *See* Hibberd, Mark G.
Goldspink, Geoffrey. *See* Rome, Lawrence C.
Goldstein, Joseph L. *See* Südhof, Thomas C.
Gonda, Matthew A. *See* Robey, W. Gerard.
Gonzalez, Frank J. *See* Jaiswal, Anil K.
Gordon, Daniel M. *See* Ballou, W. Ripley.
Gore, Rufus W. *See* Ballou, W. Ripley.
Gorham, Eville; Martin, Frank B.; Litzau, Jack T.: Acid rain: statistical analysis of ionic correlations questioned (technical comment). v228 p1553 28 June 85.
Goto, Ken; Laval-Martin, Danielle L.; Edmunds, Leland N., Jr.: Biochemical modeling of an autonomously oscillatory circadian clock in *Euglena*. v228 p1284–1288 14 June 85.
Grabowski, Henry G.: review of *Orphan Drugs*, by Carolyn H. Asbury. v228 p981 24 May 85.
Grafstrom, Roland C.; Curren, Rodger D.; Yang, Li L.; Harris, Curtis C.: Genotoxicity of formaldehyde in cultured human bronchial fibroblasts. v228 p89–91 5 Apr 85.
Graham, Alan: review of *Biogeographical Relationships between Temperate Eastern Asia and Temperate Eastern North America*. v228 p65 5 Apr 85.
Gray, D. Bruce. *See* Meriney, Stephen D.
Grayson, Donald K.: review of *Faunal Remains from Klasies River Mouth*, by Lewis R. Binford. v228 p869–870 17 May 85.
Greene, Warner C. *See* Krönke, Martin. *See also* Leonard, Warren J.
Greer, Jonathan: Model structure for the inflammatory protein C5a. v228 p1055–1060 31 May 85.
Grenett, Hernan E. *See* Ledley, Fred D.
Grillner, Sten: Neurobiological bases of rhythmic motor acts in vertebrates. v228 p143–149 12 Apr 85.
Gristina, Anthony G.; Oga, Masayoshi; Webb, Lawrence X.; Hobgood, Cherri D.: Adherent bacterial colonization in the pathogenesis of osteomyelitis. v228 p990–993 24 May 85.
Groopman, J. E. *See* Barin, F.
Gross, Mitchell. *See* Young, James F.
Grossman, Lawrence J. *See* Butow, Ronald A.
Groudine, Mark and Conklin, Kathleen F.:

Chromatin structure and de novo methylation of sperm DNA: implications for activation of the paternal genome. v228 p1061–1068 31 May 85.
Guthrie, G. P., Jr. *See* Whitescarver, S. A.
Guttman, Sheldon I. *See* Werth, Charles R.

H

Hacker, Miles P. *See* Sikic, Branimir Ivan.
Hadani, M. *See* Schwartz, M.
Halbach, Klaus. *See* Attwood, David.
Hamer, Dean H.; Thiele, Dennis J.; Lemontt, Jeffrey E.: Function and autoregulation of yeast copperthionein. v228 p685–690 10 May 85.
Hamilton, Stanley R. *See* Goelz, Susan E.
Hamlin, Ron. *See* Burlingame, Rufus W.
Hampar, Berge. *See* Koff, Wayne C.
Hampson, I. N. *See* West, D. C.
Handin, Robert I. *See* Ginsburg, David.
Hangen, Donald H. *See* Müller, Hans Werner.
Hannon, W. J.: Verification of nuclear testing (letter). v228 p794 17 May 85.
Hansen, Marc F. *See* Cavenee, Webster K.
Harel, A. *See* Schwartz, M.
Hargreaves, W. R. *See* Ibbotson, K. J.
Harker, W. Graydon. *See* Sikic, Branimir Ivan.
Harmon, Jeffrey M. *See* Weinberger, Cary.
Harris, Curtis C. *See* Grafstrom, Roland C.
Harris, R. Adron and Allan, Andrea M.: Functional coupling of γ-aminobutyric acid receptors to chloride channels in brain membranes. v228 p1108–1110 31 May 85.
Harrison, Richard G.; Rand, David M.; Wheeler, Ward C.: Mitochondrial DNA size variation within individual crickets. v228 p1446–1448 21 June 85.
Hartzell, H. Criss: review of *Protein Phosphorylation in the Nervous System.*. v228 p866–867 17 May 85.
Hasan, Noaman. *See* Peltz, Stuart W.
Haseltine, W. A. *See* Allan, J. S.
Haseltine, William. *See* Sodroski, Joseph.
Hawley, Marguerite A. *See* Levy, Robert J.
Hazen, N. L. *See* Anderson, J. G.
Hearn, Paul P. and Sutter, John F.: Authigenic potassium feldspar in Cambrian carbonates: evidence of Alleghanian brine migration. v228 p1529–1531 28 June 85.
Heaton, Thomas H.: A model for a seismic computerized alert network. v228 p987–990 24 May 85.
Heinrich, Bernd and Mommsen, Thomas P.: Flight of winter moths near O°C. v228 p177–179 12 Apr 85.
Heise, David R. and Simmons, Roberta G.: Some computer-based developments in sociology. v228 p428–433 26 Apr 85.
Helgason, Cathy M. *See* Stefansson, Kari.
Hellmich, Richard L., II. *See* Rinderer, Thomas E.
Hercend, Thierry. *See* Ritz, Jerome.
Herre, Edward Allen: Sex ratio adjustments in fig wasps. v228 p896–898 17 May 85.
Herzog, S. *See* Rott, R.
Hess, Allan D. *See* Colombani, Paul M.
Hewick, Rodney M. *See* Wong, Gordon C.
Hibberd, Mark G.; Dantzig, Jody A.; Trentham, David R.; Goldman, Yale E.: Phosphate release and force generation in skeletal muscle fibers. v228 p1317–1319 14 June 85.
Hikikoshi, Atsuko. *See* Seiki, Motoharu.
Hirschhorn, Larry: review of *Normal Accidents*, by Charles Perrow. v228 p846–847 17 May 85.
Hobbs, Peter V.: "Nuclear winter" calculations (letter). v228 p648 10 May 85.
Hobgood, Cherri D. *See* Gristina, Anthony G.
Hockmeyer, Wayne T. *See* Ballou, W. Ripley. *See also* Young, James F.
Hodes, Richard J. *See* Frels, William I.
Holden, Constance (news and comment): Academy proposes a federal trauma center. v228 p1180–1181 7 June 85. Baby Doe regs set. v228 p564–565 3 May 85. Charges against refusenik lifted. v228 p37 5 Apr 85. Engineering "crisis" abating, study says. v228 p973 24 May 85. EVIST to be salvaged, more or less. v228 p832 17 May 85. A guarded endorsement for shock therapy. v228 p1510–1511 28 June 85. Hawaiian rainforest being felled. v228 p1073–1074 31 May 85. HHS revises rules on animal research. v228 p830 17 May 85. House opens broad science policy hearings. v228 p564 3 May 85. International primate campaign launched. v228 p973 24 May 85. NIMH emphasizes the basics. v228 p474–475 26 Apr 85. New directions for the Smithsonian. v228 p1512–1513 28 June 85. An omnifarious data bank for biology? v228 p1412–1413 21 June 85. Princeton to give up its fossils. v228 p38 5 Apr 85. Sociology stir at Harvard. v228 p692–693 10 May 85.
Holland, J. P. *See* Innis, M. A.
Holland, M. J. *See* Innis, M. A.
Hollenberg, Stanley M. *See* Weinberger, Cary.
Hollingdale, Michael R. *See* Ballou, W. Ripley. *See also* Young, James F. *See also* Zavala, Fidel.
Holt, Donald A.: Computers in production agriculture. v228 p422–427 26 Apr 85.
Horowitz, Gary: review of *Spinors and Space-Time*, by Roger Penrose and Wolfgang Rindler. v228 p1422–1423 21 June 85.
Hosack, Angela. *See* Rosenblatt, David S.
Howard, Robert. *See* Snodgrass, Herschell B.
Hrushesky, W. J. M.: Circadian timing of cancer chemotherapy. v228 p73–75 5 Apr 85.
Huang, J. *See* Chang, N. T.
Hunt, R. D. *See* Daniel, M. D. *See also* Kanki, P. J.
Hunt, Ronald D. *See* Desrosiers, Ronald C.
Hunter, John M.: Clay eating (letter). v228 p1040 31 May 85.
Hurley, James B. *See* Lochrie, Michael A.
Hussey, Rebecca E. *See* Ritz, Jerome.
Hyland, Julia K. *See* Kaczmarek, Leszek.

I and J

Ibbotson, K. J.; Twardzik, D. R.; D'Souza, S. M.; Hargreaves, W. R.; Todaro, G. J.; Mundy, G. R.: Stimulation of bone resorption in vitro by synthetic transforming growth factor–alpha. v228 p1007–1009 24 May 85.
Igo, Michele. *See* Youngman, Philip.
Ingersoll, Andrew P. *See* Paige, David A.
Innis, M. A.; Holland, M. J.; McCabe, P. C.; Cole, G. E.; Wittman, V. P.; Tal, R.; Watt, K. W. K.; Gelfand, D. H.; Holland, J. P.; Meade, J. H.: Expression, glycosylation, and secretion of an *Aspergillus* glucoamylase by *Saccharomyces cerevisiae*. v228 p21–26 5 Apr 85.
Irsa, A. P. *See* Slatkin, D. N.
Isobe, Masaharu; Erikson, Jan; Emanuel, Beverly S.; Nowell, Peter C.; Croce, Carlo M.: Location of gene for β subunit of human T-cell receptor at band 7q35, a region prone to rearrangements in T cells. v228 p580–582 3 May 85.
Isselbacher, Kurt J. *See* Tanaka, Kenichi.
Iversen, Leslie L. *See* Borges, Lawrence F.
Iversen, Susan D. *See* Borges, Lawrence F.
Jackson, B. *See* Whitescarver, S. A.
Jacobs, Gwen A. and Miller, John P.: Functional properties of individual neuronal branches isolated in situ by laser photoinactivation. v228 p344–346 19 Apr 85.
Jaffe, Elaine. *See* Tsujimoto, Yoshihide.
Jaiswal, Anil K.; Gonzalez, Frank J.; Nebert, Daniel W.: Human dioxin-inducible cytochrome P_1-450: complementary DNA and amino acid sequence. v228 p80–83 5 Apr 85.
Jay, Gilbert. *See* Tanaka, Kenichi.
Jaye, Michael; McConathy, Evelyn; Drohan, William; Tong, Benton; Deuel, Thomas; Maciag, Thomas: Modulation of the *sis* gene transcript during endothelial cell differentiation in vitro. v228 p982–885 17 May 85.
Jones, Carol; Morse, Helvise G.; Kao, Fa-Ten; Carbone, Amy; Palmer, Edward: Human T-cell receptor α-chain genes: location on chromosome 14. v228 p83–85 5 Apr 85.
Jones, Simon S. *See* Wong, Gordon C.
Joy, William and Gage, John: Workstations in science. v228 p467–470 26 Apr 85.
Julesz, Bela. *See* Sagi, Dov.
Juliano, R. L. *See* Brown, Patricia J.
Jurs, Peter C. *See* Smith, Amos B., III.

K

Kaczmarek, Leszek; Hyland, Julia K.; Watt, Rosemary; Rosenberg, Martin; Baserga, Renato: Microinjected *c-myc* as a competence factor. v228 p1313–1315 14 June 85.
Kamine, James. *See* Desrosiers, Ronald C.
Kanki, P. J. *See* Daniel, M. D.
———; McLane, M. F.; King, N. W., Jr.; Letvin, N. L.; Hunt, R. D.; Sehgal, P.; Daniel, M. D.; Desrosiers, R. C.; Essex, M.: Serologic identification and characterization of a macaque T-lymphotropic retrovirus closely related to HTLV-III. v228 p1199–1201 7 June 85.
Kannagi, M. *See* Daniel, M. D.
Kao, Fa-Ten. *See* Jones, Carol.
Karasov, William H. and Diamond, Jared M.: Digestive adaptations for fueling the cost of endothermy. v228 p202–204 12 Apr 85.
Kasid, Attan; Lippman, Marc E.; Papageorge, Alex G.; Lowy, Douglas R.; Gelmann, Edward P.: Transfection of v-*ras*^{H} DNA into MCF-7 human breast cancer cells bypasses dependence on estrogen for tumorigenicity. v228 p725–728 10 May 85.
Katz, D. M. *See* Kimelberg, H. K.
Katzenstein, Alan W.: Sulfur dioxide emissions (letter). v228 p390–391 26 Apr 85.
Kaufman, Allan: review of *Statistical Physics and Chaos in Fusion Plasmas*, edited by C. W. Horton, Jr., and L. E. Reichl. v228 p485–486 26 Apr 85.
Kaufman, Randal J. *See* Wong, Gordon C.
Kaufmann, William: Textbooks and profits (letter). v228 p1382 21 June 85.
Kay, Robert M. *See* Wong, Gordon C.
Kende, Hans. *See* Raskin, Ilya.
Kennedy, B. P. *See* Flynn, T. G.
Kennedy, Donald: Research costs (letter). v228 p1144 7 June 85.
Kent, Steven B. *See* Milich, David R.
Kerr, Richard A. (research news): Antarctic meteorites: are they a breed apart? v228 p1520 28 June 85. Chaotic zone yields meteorites. v228 p1186 7 June 85. Earthquake forecast endorsed. v228 p311 19 Apr 85. Forecasting the weather a bit better. v228 p40–41 5 Apr 85. Magnetospheric workings: AMPTE draws a blank. v228 p1519 28 June 85. The next lap in the race. v228 p705 10 May 85. Nuclear winter won't blow away. v228 p163 12 Apr 85. Pity the poor weatherman. v228 p704–706 10 May 85. Suture between North America and Africa found. v228 p1520 28 June 85. Were North Pacific waters sinking 18,000 years ago? v228 p1519–1520 28 June 85.
Khoury, George. *See* Tanaka, Kenichi.
Kim, Kwang-Je. *See* Attwood, David.
Kimelberg, H. K. and Katz, D. M: High-affinity uptake of serotonin into immunocytochemically identified astrocytes. v228 p889–891 17 May 85.
King, Geoffrey and Nábělek, John: Role of fault bends in the initiation and termination of earthquake rupture. v228 p984–986 24 May 85.
King, N. W. *See* Daniel, M. D.
King, N. W., Jr. *See* Kanki, P. J.
King, Norval W. *See* Desrosiers, Ronald C.
King, Walter. *See* Lobel, Leslie I.
———; Patel, Mayuri D.; Lobel, Leslie I.; Goff, Stephen P.; Nguyen-Huu, M. Chi: Insertion mutagenesis of embryonal carcinoma cells by retroviruses. v228 p554–558 3 May 85.
Kirkwood, J. K. *See* Cleary, M. L.
Kislev, Mordechai E.: Early Neolithic horsebean from Yiftah'el, Israel. v228 p319–320 19 Apr 85.

Klayman, Daniel L.: *Qinghaosu* (Artemisinin): an antimalarial drug from China. v228 p1049–1055 31 May 85.
Kleiman, Devra G. and Seidensticker, John: review of *The Giant Pandas of Wolong* by George B. Schaller, Hu Jinchu, Pan Wenshi, and Zhu Jing. v228 p875–876 17 May 85.
Klein, Karen A. *See* Duby, Allan D.
Klemperer, Walter G. *See* Day, Victor W.
Klibanov, Alexander M. *See* Ahern, Tim J.
Klocke, James A. *See* Balandrin, Manuel F.
Kluessendorf, Joanne. *See* Mikulic, Donald G.
Kock, Eric. *See* Cavenee, Webster K.
Koff, Wayne C.; Showalter, Stephen D.; Hampar, Berge; Fidler, Isaiah J.: Protection of mice against fatal herpes simplex type 2 infection by liposomes containg muramyl tripeptide. v228 p495–497 26 Apr 85.
Kogelnik, Herwig: High-speed lightwave transmissions in optical fibers. v228 p1043–1048 31 May 85.
Kolata, Gina (research news): Clotting protein cloned. v228 p1415–1417 21 June 85. Fitting methylation into development. v228 p1183–1184 7 June 85. How do proteins find mitochondria? v228 p1517–1518 28 June 85. Making factoring faster. v228 p310 19 Apr 85. Must "hard problems" be hard? v228 p479–481 26 Apr 85. A new approach to cystic fibrosis. v228 p167–168 12 Apr 85. Number theory connections. v228 p833–834 17 May 85. Solving linear systems faster. v228 p1297–1298 14 June 85.
Koprowski, H. *See* Rott, R.
Korba, Brent E.; Wilson, Vincent L.; Yoakum, George H.: Induction of hepatitis B virus core gene in human cells by cytosine demethylation in the promoter. v228 p1103–1106 31 May 85.
Koshland, Daniel E., Jr. (editorials): The computer issue. v228 p401 26 Apr 85. A good word for delusions. v228 p943 24 May 85. A good word for realities. v228 p1041 31 May 85. A new feature in *Science*. v228 p667 10 May 85. NIH budget and better health. v228 p1382 21 June 85. Peer review of peer review. v228 p1387 21 June 85. (letter): Information storage. v228 p1040 31 May 85.
Kotchen, T. A. *See* Whitescarver, S. A.
Kowalski, Bruce R. *See* Charlson, Robert J.
Krebs, Charles J.: review of *The Ecological Web*, by H. G. Andrewartha and L. C. Birch. v228 p873–874 17 May 85.
Kruger, Lawrence: review of *Somatosensory Mechanisms*, edited by Curt von Euler, Ove Franzén, Ulf Lindblom, and David Ottoson. v228 p317 19 Apr 85.
Krönke, Martin; Leonard, Warren J.; Depper, Joel M.; Greene, Warner C.: Deregulation of interleukin-2 receptor gene expression in HTLV-I–induced adult T-cell leukemia. v228 p1215–1217 7 June 85.
Kumar, S. *See* West, D. C.
Kühn, H. *See* Pfister, C.
Kundu, Mukul R. and Lang, Kenneth R.: The sun and nearby stars: microwave observations at high resolution. v228 p9–15 5 Apr 85.
Kurtz, Theodore W. and Morris, R. Curtis, Jr.: Hypertension and sodium salts (technical comment). v228 p352–353 19 Apr 85.
Kwok, Simon C. M. *See* Ledley, Fred D.

L

Lachman, Lawrence B. *See* Giulian, Dana.
Ladner, Martha B. *See* Wang, Alice M.
Laframboise, Rachel. *See* Rosenblatt, David S.
Laine, Roger A. *See* Friedman, Milton J.
Landy, David: review of *Susto, A Folk Illness*, by Arthur J. Rubel, Carl W. O'Nell, and Rolando Collado-Ardon. v228 p850–851 17 May 85.
Lang, Kenneth R. *See* Kundu, Mukul R.
Langer, Robert. *See* Levy, Robert J.
Langford, Herbert G. *See* Liebman, Bonnie F.
Largman, Corey. *See* Craik, Charles S.
Latt, Samuel A. *See* Ginsburg, David.
Laurence, Jeffrey. *See* Rodman, Toby C.
Laval-Martin, Danielle L. *See* Goto, Ken.
Lavie, V. *See* Schwartz, M.
Lavine, Barry. *See* Smith, Amos B., III.
Lear, James D. *See* Briggs, Martha S.
Leary, Anne C. *See* Wong, Gordon C.
Lebo, Roger V. *See* Leonard, Warren J.
Ledley, Fred D.; Grenett, Hernan E.; DiLella, Anthony G.; Kwok, Simon C. M.; Woo, Savio L. C.: Gene transfer and expression of human phenylalanine hydroxylase. v228 p77–79 5 Apr 85.
Lee, T. H. *See* Allan, J. S. *See also* Barin, F.
Lemontt, Jeffrey E. *See* Hamer, Dean H.
Leonard, Warren J.; Donlon, Tim A.; Lebo, Roger V.; Greene, Warner C.: Localization of the gene encoding the human interleukin-2 receptor on chromosome 10. v228 p1547–1549 28 June 85.
Leonard, Warren J. *See* Krönke, Martin.
Leontief, Wassily; Duchin, Faye; Szyld, Daniel B.: New approaches in economic analysis. v228 p419–422 26 Apr 85.
le Riche, W. Harding: High-technology agriculture (letter). v228 p391–392 26 Apr 85.
Letvin, N. L. *See* Daniel, M. D. *See also* Kanki, P. J.
Leutenegger, Walter: review of *The Pygmy Chimpanzee*, edited by Randall L. Susman. v228 p981–982 24 May 85.
Levine, Adeline: review of *To Do No Harm*, by Roberta J. Apfel and Susan M. Fisher. v228 p849–850 17 May 85.
Levy, Robert J.; Wolfrum, Jacqueline; Schoen, Frederick J.; Hawley, Marguerite A.; Lund, Sally Anne; Langer, Robert: Inhibition of calcification of bioprosthetic heart valves by local controlled-release diphosphonate. v228 p190–192 12 Apr 85.
Lewin, Roger (research news): Evidence for scientific creationism? v228 p837 17 May 85. Gregarious grazers eat better. v228 p567–568 3 May 85. How old is the Taung child? v228 p43 5 Apr 85. Molelcular clocks scrutinized. v228 p571 3 May 85. More progress in messenger RNA splicing. v228 p977 24 May 85. Plant communities resist climatic change. v228 p165–166 12 Apr 85. Slime molds on the wing. v228 p1416 21 June 85. Surprise findings in the Taung child's face. v228 p42–44 5 Apr 85. Tooth enamel tells a complex story. v228 p707 10 May 85. Why are male hawks so small? v228 p1299–1300 14 June 85. Why do inbred mice evolve so quickly? v228 p1187 7 June 85.
Lewis, Susanna; Gifford, Ann; Baltimore, David: DNA elements are asymmetrically joined during the site-specific recombination of kappa immunoglobulin genes. v228 p677–685 10 May 85.
Lichtman, Jeff W. *See* Purves, Dale.
Liebman, Bonnie F. and Langford, Herbert G.: Hypertension and sodium salts (technical comment). v228 p351–352 19 Apr 85.
Lin, Leo S. *See* Wang, Alice M.
Linsey, G. A. *See* Schindler, D. W.
Lippman, Marc E. *See* Kasid, Attan.
Lipsky, Naomi Geller and Pagano, Richard E.: A vital stain for the Golgi apparatus. v228 p745–747 10 May 85.
Litzau, Jack T. *See* Gorham, Eville.
Livingston, Katherine: review of *Dinoflagellates*, edited by David L. Spector. v228 p486 26 Apr 85. review of *Handbook of Squirrel Monkey Research*, edited by Leonard A. Rosenblum and Christopher L. Coe. v228 p486 26 Apr 85.
Lobel, Leslie I. *See* King, Walter.
———; Patel, Mayuri; King, Walter; Nguyen-Huu, M. Chi; Goff, Stephen P.: Construction and recovery of viable retroviral genomes carrying a bacterial suppressor transfer RNA gene. v228 p329–332 19 Apr 85.
Lochrie, Michael A.; Hurley, James B.; Simon, Melvin I.: Sequence of the alpha subunit of photoreceptor G protein: homologies between transducin, *ras*, and elongation factors. v228 p96–99 5 Apr 85.
Loftus, Joseph P., Jr.: The shuttle and space science (letter). v228 p6 5 Apr 85.
Londei, Marco; Bottazzo, G. Franco; Feldmann, Marc: Human T-cell clones from autoimmune thyroid glands: specific recognition of autologous thyroid cells. v228 p85–89 5 Apr 85.
Long, Alan K. *See* Corey, E. J.
Long, Joseph B. *See* Tortella, Frank C.
Losick, Richard. *See* Youngman, Philip.
Loughna, Paul T. *See* Rome, Lawrence C.
Louttit, Robert I: Cost of Superconducting Super Collider (letter). v228 p1260 14 June 85.
Love, Warner E. *See* Burlingame, Rufus W.
Lowell, Richard B.: Selection for increased safety factors of biological structures as environmental unpredictability increases. v228 p1009–1011 24 May 85.
Lowenthal, Douglas H. *See* Rahn, Kenneth A.
Lowy, Douglas R. *See* DeFeo-Jones, Deborah. *See also* Kasid, Attan.
Loya, Y. *See* Shlesinger, Y.
Löffler, D. G. *See* Boudart, M.
Lund, Sally Anne. *See* Levy, Robert J.
Luria, S. E.: review of *The Periodic Table*, by Primo Levi. v228 p66–67 5 Apr 85.
Luttges, Marvin. *See* Somps, Chris.
Luxenberg, Deborah P. *See* Wong, Gordon C.
Lyon, Patricia J.: review of *The Inka Road System*, by John Hyslop. v228 p1420–1421 21 June 85.

M

Maciag, Thomas. *See* Jaye, Michael.
Mackett, Michael. *See* Cremer, Kenneth J.
Malley, D. F. *See* Schindler, D. W.
Maloy, W. Lee. *See* Ballou, W. Ripley.
Mantzouranis, Evangelia C. *See* Dowton, S. Bruce.
Mark, David F. *See* Wang, Alice M.
Markey, Sanford P. *See* Taylor, Philip A.
Markgraf, Vera: Late Pleistocene faunal extinctions in southern Patagonia. v228 p1110–1112 31 May 85.
Marrett, Cora Bagley: review of *Sex Segregation in the Workplace*, edited by Barbara F. Reskin. v228 p484–485 26 Apr 85.
Marshall, Eliot: Japan and the economics of invention (news and comment). v228 p157–158 12 Apr 85.
Marshall, John F. *See* Altar, C. Anthony.
Martin, Frank B. *See* Gorham, Eville.
Martin, Joseph B. *See* Tran, Vinh T.
Martin, Malcolm A.; Goff, Stephen P.; Anderson, W. French: Murine retroviral vectors and human gene therapy (letter). v228 p653 10 May 85.
Marton, Linda S. *See* Stefansson, Kari.
Martres, Marie-Pascale; Bouthenet, Marie-Louise; Sales, Nicole; Sokoloff, Pierre; Schwartz, Jean-Charles: Widespread distribution of brain dopamine receptors evidences with [^{125}I]iodosulpride, a highly selective ligand. v228 p752–755 10 May 85.
Marx, Jean L. (research news): The cytochrome P450's and their genes. v228 p975–976 24 May 85. Hopping along the chromosome. v228 p1080 31 May 85. Interleukin-1 genes are cloned. v228 p1076–1077 31 May 85. Making antibodies without the antigens. v228 p162–165 12 Apr 85. Making mutant mice by gene transfer. v228 p1516–1517 28 June 85. The polyphosphoinositides revisited. v228 p312–313 19 Apr 85.
Mash, Deborah C.; Flynn, Donna D.; Potter, Lincoln T.: Loss of M2 muscarine receptors in the cerebral cortex in Alzheimer's disease and experimental cholinergic denervation. v228 p1115–1117 31 May 85.
Masters, W. Mitch; Moffat, Anne J. M.; Simmons, James A.: Sonar tracking of horizontally moving targets by the big brown bat *Eptesicus fuscus*. v228 p1331–1333 14 June 85.
Matiaszuk, Nora V. *See* Rosenblatt, David S.
Maumenee, Irene. *See* Cavenee, Webster K.

Mazziotta, John C. *See* Phelps, Michael E.
McCabe, P. C. *See* Innis, M. A.
McClintock, James B.: Solitary grazers (letter). v228 p1485 28 June 85.
McConathy, Evelyn. *See* Jaye, Michael.
McCormack, Mike: Fusion program (letter). v228 p1484 28 June 85.
McHenry, Henry M.: review of *Size and Scaling in Primate Biology*, by William L. Jungers. v228 p1189–1190 7 June 85.
McKinney, S. *See* Chang, N. T.
McLane, M. F. *See* Allan, J. S. *See also* Barin, F. *See also* Kanki, P. J.
McLaren, B. E. *See* Anderson, J. G.
McNesby, James R.: Experiment and theory (letter). v228 p130 12 Apr 85.
Meade, J. H. *See* Innis, M. A.
Meade, Robert H.; Dunne, Thomas; Richey, Jeffrey E.; Santos, Umberto de M.; Salati, Eneas: Storage and remobilization of suspended sediment in the lower Amazon River of Brazil. v228 p488–490 26 Apr 85.
Meriney, Stephen D.; Gray, D. Bruce; Pilar, Guillermo: Morphine-induced delay of normal cell death in the avian ciliary ganglion. v228 p1451–1453 21 June 85.
Mermelstein, Robert and Rosenkranz, Herbert S.: Nitropyrenes (letter). v228 p392 26 Apr 85.
Mets, Laurens. *See* Erickson, Jeanne M.
Meunier-Rotival, Michele. *See* Bernardi, Giorgio.
Meyskens, Frank L., Jr.: *The Retinoids*, edited by Michael B. Sport, Anita B. Roberts, and DeWitt S. Goodman. v228 p317–318 19 Apr 85.
Micca, P. L. *See* Slatkin, D. N.
Michel, F. Curtis and Dessler, A. J.: Durability of the accretion disk of millisecond pulsars. v228 p1015–1016 24 May 85.
Michel, Marie-Louise. *See* Milich, David R.
Mickelson, David M.: review of *Quaternary Stratigraphy of Canada*, edited by R. J. Fulton. v228 p486 26 Apr 85.
Mikulic, Donald G.; Briggs, Derek E. G.; Kluessendorf, Joanne: A silurian soft-bodied biota. v228 p715–717 10 May 85.
Milich, David R.; Thornton, George B.; Neurath, A. Robert; Kent, Steven B.; Michel, Marie-Louise; Tiollais, Pierre; Chisari, Francis V.: Enhanced immunogenicity of the pre-S region of hepatitis B surface antigen. v228 p1195–1199 7 June 85.
Miller, Gifford H.: review of *Late Quaternary Environments of the Soviet Union*, edited by A. A. Velichko. v228 p1306–1307 14 June 85.
Miller, John P. *See* Jacobs, Gwen A.
Miller, Louis H. *See* Ballou, W. Ripley. *See also* Young, James F.
Miller, Morton W. and Ciaravino, Victor: Diagnostic ultrasound (letter). v228 p650 10 May 85.
Miller, Paul E. *See* Adelson, Joel W.
Mills, K. H. *See* Schindler, D. W.
Mishkin, Mortimer. *See* Murray, Elisabeth A.
Moffat, Anne J. M. *See* Masters, W. Mitch.
Molnar, Gabor K. *See* Stefansson, Kari.
Mommsen, Thomas P. *See* Heinrich, Bernd.
Mopper, Susan. *See* Whitham, Thomas G.
Morgan, A. J. *See* Cleary, M. L.
Morlan, Richard E.: review of *Quaternary Extinctions*, edited by Paul S. Martin and Richard G. Klein. v228 p870–871 17 May 85.
Morris, R. Curtis, Jr. *See* Kurtz, Theodore W.
Morrison, George H. *See* Chandra, Subhash.
Morse, Helvise G. *See* Jones, Carol.
Morton, Cynthia C.; Duby, Allan D.; Eddy, Roger L.; Shows, Thomas B.; Seidman, J. G.: Genes for β chain of human T-cell antigen receptor map to regions of chromosomal rearrangement in T cells. v228 p582–585 3 May 85.
Moss, Bernard. *See* Cremer, Kenneth J.
Moudrianakis, Evangelos N. *See* Burlingame, Rufus W.
Müller, Hans Werner; Gebicke-Härter, Peter J.; Hangen, Donald H.; Shooter, Eric M.: A specific 37,000-dalton protein that accumulates in regenerating but not in nonregenerating mammalian nerves. v228 p499–501 26 Apr 85.
Mundy, G. R. *See* Ibbotson, K. J.
Murchelano, R. A. and Wolke, R. E.: Epizootic carcinoma in the winter flounder, *Pseudopleuronectes americanus*. v228 p587–589 3 May 85.
Murdock, Douglas C. *See* Slamon, Dennis J.
Murphy, Dennis L. *See* Taylor, Philip A.
Murray, Elisabeth A. and Mishkin, Mortimer: Amygdalectomy impairs crossmodal association in monkeys. v228 p604–606 3 May 85.
Murre, Cornelis. *See* Duby, Allan D.
Murrell, K. Darwin: Trichinosis test (letter). v228 p1484–1485 28 June 85.

N

Nábělek, John. *See* King, Geoffrey.
Nano, Francis E. and Caldwell, Harlan D.: Expression of the chlamydial genus-specific lipopolysaccharide epitope in *Escherichia coli*.. v228 p742–744 10 May 85.
Nebert, Daniel W. *See* Jaiswal, Anil K.
Nelson, Gary J.: Research costs (letter). v228 p1142, 1144 7 June 85.
Nelson, Robert M. *See* Binzel, Richard P.
Neurath, A. Robert. *See* Milich, David R.
Newman, Robert A. *See* Sikic, Branimir Ivan.
Newman, Stuart A.; Frenz, Dorothy A.; Tomasek, James J.; Rabuzzi, Daniel D.: Matrix-driven translocation of cells and nonliving particles. v228 p885–889 17 May 85.
Nguyen-Huu, M. Chi. *See* King, Walter. *See also* Lobel, Leslie I.
Niemczyk, Susan J.: Nuclear safety (letter). v228 p530 3 May 85.
Nordenskjold, Magnus. *See* Cavenee, Webster K.
Norman, Colin (news and comment): Anatomy of an accident. v228 p32 5 Apr 85. Assessing the effects of a nuclear accident. v228 p31–33 5 Apr 85. AVLIS: a clear winter. v228 p1408 21 June 85. Disarmament chain letter takes on life of its own. v228 p309 19 Apr 85. Dispute reopened on mysterious 1979 flash. v228 p1180 7 June 85. DOD program proves attractive. v228 p1291 14 June 85. U.S.–India science accords renewed. v228 p1514 28 June 85. Interior slashes offshore oil estimates. v228 p974 24 May 85. NSF names engineering centers. v228 p305 19 Apr 85. Pentagon claims export controls save billions. v228 p1075 31 May 85. Pentagon seeks to build bridges to academe. v228 p303, 305 19 Apr 85. Radical surgery in uranium enrichment. v228 p1407–1409 21 June 85. Security problems plague scientific meeting. v228 p471–472 26 Apr 85. Virus scare halts hormone research. v228 p1176–1177 7 June 85.
Notkins, Abner Louis. *See* Cremer, Kenneth J.
Nowell, Peter C. *See* Isobe, Masaharu.
Nussenzweig, Ruth S. *See* Zavala, Fidel.
Nussenzweig, Victor. *See* Zavala, Fidel.
Nyerges, A. Endre: African drought (letter). v228 p263 19 Apr 85.

O and P

Oga, Masayoshi. *See* Gristina, Anthony G.
Olofsson, Birgitta. *See* Bernardi, Giorgio.
O'Neil, Stephen. *See* Altar, C. Anthony.
Ong, Estelita S. *See* Weinberger, Cary.
Orgel, Leslie E. *See* Schwartz, Alan W.
Orkin, Stuart H. *See* Ginsburg, David.
Oroszlan, Stephen. *See* Robey, W. Gerard.
Orr, Elizabeth C. *See* Wachsman, William. *See also* Wong, Gordon C.
Ott, C. E. *See* Whitescarver, S. A.
Pagano, Richard E. *See* Lipsky, Naomi Geller.
Paige, David A. and Ingersoll, Andrew P.: Annual heat balance of Martian polar caps: Viking observations. v228 p1160–1168 7 June 85.
Palkovits, Miklos. *See* Zamir, Nadav.
Palmer, Edward. *See* Jones, Carol.
Papageorge, Alex G. *See* Kasid, Attan.
Park, Sang Shin. *See* Song, Byung-Joon.
Patel, Mayuri. *See* Lobel, Leslie I. *See also* King, Walter.
Patterson, Elizabeth C.: review of *All Scientists Now*, by Marie Boas Hall. v228 p843–844 17 May 85.
Patterson, John W.: review of *Beyond Velikovsky*, by Henry H. Bauer. v228 p1304–1305 14 June 85.
Peltz, Stuart W.; Brown, Alexandra L.; Hasan, Noaman; Podhajska, Anna J.; Szybalski, Waclaw: Thermosensitivity of a DNA recognition site: activity of a truncated *nut*L antiterminator of coliphage lambda. v228 p91–93 5 Apr 85.
Penzias, Arno A. *See* Anfinsen, Christian B.
Perkins, John B. *See* Youngman, Philip.
Perlman, Philip S. *See* Butow, Ronald A.
Pervaiz, Syed and Brew, Keith: Homology of β-lactoglobulin, serum retinol-binding protein, and protein HC. v228 p335–337 19 Apr 85.
Pfister, C.; Chabre, M.; Plouet, J.; Tuyen, V. V.; De Kozak, Y.; Faure, J. P.; Kühn, H.: Retinal S antigen identified as the 48K protein regulating light-dependent phosphodiesterase in rods. v228 p891–893 17 May 85.
Phelps, Michael E. and Mazziotta, John C.: Positron emission tomography: human brain function and biochemistry. v228 p799–809 17 May 85.
Phillips, Robert A. *See* Cavenee, Webster K.
Phillipson, Eliot A.: review of *High Altitude and Man*, edited by John B. West and Sukhamay Lahiri. v228 p171 12 Apr 85.
Pilar, Guillermo. *See* Meriney, Stephen D.
Plambeck, R. L. *See* Welch, W. J.
Plouet, J. *See* Pfister, C.
Podhajska, Anna J. *See* Peltz, Stuart W.
Pollard, David. *See* Fink, Jonathan.
Porter, Robert: review of *Neurophysiological Approaches to Higher Brain Function*, by Edward V. Evarts, Y. Shinoda, S. P. Wise. v228 p1421 21 June 85.
Potter, Lincoln T. *See* Mash, Deborah C.
Press, Michael F. *See* Slamon, Dennis J.
Price, James V. and Cech, Thomas R.: Coupling of *Tetrahymena* ribosomal RNA splicing to β-galactosidase expression in *Escherichia coli*.. v228 p719–722 10 May 85.
Pruslin, Fred H. *See* Rodman, Toby C.
Purves, Dale and Lichtman, Jeff W.: Geometrical differences among homologous neurons in mammals. v228 p298–302 19 Apr 85.

Q and R

Quakyi, Isabella. *See* Zavala, Fidel.
Raben, Joseph: Computer applications in the humanities. v228 p434–438 26 Apr 85.
Rabuzzi, Daniel D. *See* Newman, Stuart A.
Rachailovich, I. *See* Schwartz, M.
Rahire, Michèle. *See* Erickson, Jeanne M.
Rahn, Kenneth A. and Lowenthal, Douglas H.: Pollution aerosol in the Northeast: northeastern-midwestern contributions. v228 p275–284 19 Apr 85.
Raine, Cedric S. *See* Sheppard, Rachel D.
Ralston, Anthony: "Star Wars" program (letter). v228 p1040 31 May 85.
Rand, David M. *See* Harrison, Richard G.
Randsborg, Klavs: review of *Farms, Villages, and Cities*, by Peter S. Wells. v228 p713 10 May 85.
Raphan, Theodore. *See* Waespe, Walter.
Raskin, Ilya and Kende, Hans: Mechanism of aeration in rice. v228 p327–329 19 Apr 85.
Ray, William J. and Cole, Harry W.: EEG alpha activity reflects attentional demands, and beta activity reflects emotional and cognitive processes. v228 p750–752 10 May 85.
Rehbock, Philip F.: review of *T. H. Huxley's Place in Natural Science*, by Mario A. di Gregorio. v228 p172 12 Apr 85.
Reinherz, Ellis L. *See* Ritz, Jerome.

Reiser, Brian J. *See* Anderson, John R.
Rettenmier, Carl W.; Chen, J. H.; Roussel, Martine F.; Sherr, Charles J.: The product of the c-*fms* proto-oncogene: a glycoprotein with associated tyrosine kinase activity. v228 p320–322 19 Apr 85.
Revelle, Roger: Oceanography from space (editorial). v228 p133 12 Apr 85.
Rhodes, D. P. *See* Chang, N. T.
Richards, Robert J.: review of *From Darwin to Behaviourism*, by Robert Boakes. v228 p862–863 17 May 85.
Richardson, Curtis J.: Mechanisms controlling phosphorus retention capacity in freshwater wetlands. v228 p1424–1427 21 June 85.
Richey, Jeffrey E. *See* Meade, Robert H.
Richmond, Arthur D.: review of *Atmospheric Electrodynamics*, by Hans Volland. v228 p572–573 3 May 85.
Rinderer, Thomas E.; Hellmich, Richard L., II.; Danka, Robert G.; Collins, Anita M.: Male reproductive parasitism: a factor in the Africanization of European honey-bee populations. v228 p1119–1121 31 May 85.
Riopelle, Richard J. *See* Dow, Kimberly E.
Ritchie, J. Murdoch. *See* Waxman, Stephen G.
Ritz, Jerome; Campen, Thomas J.; Schmidt, Reinhold E.; Royer, Hans Dieter; Hercend, Thierry; Hussey, Rebecca E.; Reinherz, Ellis L.: Analysis of T-cell receptor gene rearrangement and expression in human natural killer clones. v228 p1540–1543 28 June 85.
Robb, Adelaide. *See* Colombani, Paul M.
Robey, W. Gerard; Safai, Bijan; Oroszlan, Stephen; Arthur, Larry O.; Gonda, Matthew A.; Gallo, Robert C.; Fischinger, Peter J.: Characterization of envelope and core structural gene products of HTLV-III with sera from AIDS patients. v228 p593–595 3 May 85.
Robinson, Arthur L. (research news): Doing crystallography in six dimensions. v228 p314–315 19 Apr 85. Fractal fingers in viscous fluids. v228 p1077–1080 31 May 85. Los Alamos neutron source meets first test. v228 p1417–1419 21 June 85. Spatial quantization in three dimensions. v228 p315 19 Apr 85. Synchrotron light for x-ray lithography. v228 p39–40 5 Apr 85. Synchrotron radiation takes over at Orsay. v228 p481–483 26 Apr 85. Using synchrotron light for magnetic scattering. v228 p314 19 Apr 85. When are viscous fingers stable? v228 p834–836 17 May 85. (news and comment): ERAB panel ranks major materials facilities. v228 p832 17 May 85. NSF unplugs Wisconsin synchrotron source. v228 p1410 21 June 85.
Robinson, Lucy C. *See* DeFeo-Jones, Deborah.
Robock, Alan: review of *Climate Processes and Climate Sensitivity*, edited by James E. Hansen and Taro Takahashi. v228 p712–713 10 May 85.
Rochaix, Jean-David. *See* Erickson, Jeanne M.
Roczniak, Steven. *See* Craik, Charles S.
Rodier, Francis. *See* Bernardi, Giorgio.
Rodman, Toby C.; Laurence, Jeffrey; Pruslin, Fred H.; Chiorazzi, Nicholas; Winston, Ronald: Naturally occurring antibodies reactive with sperm proteins: apparent deficiency in AIDS sera. v228 p1211–1215 7 June 85.
Roe, Bruce A. *See* Callahan, Robert.
Rome, Lawrence C.; Loughna, Paul T.; Goldspink, Geoffrey: Temperature acclimation: improved sustained swimming performance in carp at low temperatures. v228 p194–196 12 Apr 85.
Roseberry, William: review of *Households*, edited by Robert McC. Netting, Richard R. Wilk, and Eric J. Arnould. v228 p1081–1082 31 May 85.
Rosen, C. A. *See* Allan, J. S.
Rosen, Craig. *See* Sodroski, Joseph.
Rosen, Steven D.; Singer, Mark S.; Yednock, Ted A.; Stoolman, Lloyd M.: Involvement of sialic acid on endothelial cells in organ-specific lymphocyte recirculation. v228 p1005–1007 24 May 85.
Rosenberg, Martin. *See* Kaczmarek, Leszek. *See also* Young, James F.
Rosenblatt, David S.; Hosack, Angela; Matiaszuk, Nora V.; Cooper, Bernard A.; Laframboise, Rachel: Defect in vitamin B_{12} release from lysosomes: newly described inborn error of vitamin B_{12} metabolism. v228 p1319–1321 14 June 85.
Rosenfeld, Michael G. *See* Weinberger, Cary.
Rosenkranz, Herbert S. *See* Mermelstein, Robert.
Rothbard, Jonathan. *See* Ballou, W. Ripley.
Rott, R.; Herzog, S.; Fleischer, B.; Winokur, A.; Amsterdam, J.; Dyson, W.; Koprowski, H.: Detection of serum antibodies to borna disease virus in patients with psychiatric disorders. v228 p755–756 10 May 85.
Roussel, Martine F. *See* Rettenmier, Carl W.
Rowe, S. P. *See* Anderson, J. G.
Royer, Hans Dieter. *See* Ritz, Jerome.
Rubenstein, Stewart D. *See* Corey, E. J.
Ruscetti, Sandra. *See* Wolff, Linda.
Russell, David W. *See* Südhof, Thomas C.
Rutter, William J. *See* Craik, Charles S.

S

Safai, Bijan. *See* Robey, W. Gerard.
Sagan, Leonard: NIH budget and better health (letter). v228 p1382 21 June 85.
Sagi, Dov and Julesz, Bela: "Where" and "what" in vision. v228 p1217–1219 7 June 85.
Salati, Eneas. *See* Meade, Robert H.
Sales, Nicole. *See* Martres, Marie-Pascale.
Salinas, Julio. *See* Bernardi, Giorgio.
Salzman, Amy G.: Habitat selection in a clonal plant. v228 p603–604 3 May 85.
Samant, M. G. *See* Boudart, M.
Sammons, R. Douglas. *See* Frey, Perry A.
Sanchez-Pescador, Ray. *See* Südhof, Thomas C.
Sandman, Kathleen. *See* Youngman, Philip.
Santos, Umberto de M. *See* Meade, Robert H.
Schad, G. A. and Anderson, R. M.: Predisposition to hookworm infection in humans. v228 p1537–1540 28 June 85.
Schickner, David J. *See* Deuel, Ruthmary K.
Schiller, C. M. *See* Anderson, J. G.
Schindler, D. W.; Mills, K. H.; Malley, D. F.; Findlay, D. L.; Shearer, J. A.; Davies, I. J.; Turner, M. A.; Linsey, G. A.; Cruickshank, D. R.: Long-term ecosystem stress: the effects of years of experimental acidification on a small lake. v228 p1395–1401 21 June 85.
Schlaepfer, William W. *See* Stefansson, Kari.
Schlom, Jeffrey. *See* Callahan, Robert.
Schmidt, Reinhold E. *See* Ritz, Jerome.
Schneider, Imogene. *See* Ballou, W. Ripley.
Schoen, Frederick J. *See* Levy, Robert J.
Schreiber, B. Charlotte: review of *Paleozoic Salt Bearing Formations of the World*, by Michail Z. Zharkov. v228 p317 19 Apr 85.
Schwab, M. J. *See* Anderson, J. G.
Schwartz, Alan W. and Orgel, Leslie E.: Template-directed synthesis of novel, nucleic acid–like structures. v228 p585–587 3 May 85.
Schwartz, Jean-Charles. *See* Martres, Marie-Pascale.
Schwartz, M.; Belkin, M.; Harel, A.; Solomon, A.; Lavie, V.; Hadani, M.; Rachailovich, I.; Stein-Izsak, C.: Regenerating fish optic nerves and a regeneration-like response in injured optic nerves of adult rabbits. v228 p600–603 3 May 85.
Schweber, Silvan S.: review of *The Correspondence of Charles Darwin*, edited by Frederick Burkhardt and Sydney Smith and *A Calendar of the Correspondence of Charles Darwin, 1821–1882*, edited by Frederick Burkhardt and Sydney Smith. v228 p838–841 17 May 85.
Scolnick, Edward M. *See* DeFeo-Jones, Deborah.
Sehgal, P. K. *See* Daniel, M. D. *See also* Kanki, P. J.
Seidensticker, John. *See* Kleiman, Devra G.
Seidman, J. G. *See* Duby, Allan D. *See also* Morton, Cynthia C.
Seiki, Motoharu; Hikikoshi, Atsuko; Taniguchi, Tadatsugu; Yoshida, Mitsuaki: Expression of the *pX* gene of HTLV-I: general splicing mechanism in the HTLV family. v228 p1532–1534 28 June 85.
Seliger, H. H.; Boggs, J. A.; Biggley, W. H.: Catastrophic anoxia in the Chesapeake Bay in 1984. v228 p70–73 5 Apr 85.
Sessions, Richard: Research costs (letter). v228 p1142 7 June 85.
Shapiro, Irwin I. *See* Fazio, Giovanni G.
Sharma, Shobhona and Godson, G. Nigel: Expression of the major surface antigen of *Plasmodium knowlesi* sporozoites in yeast. v228 p873–882 17 May 85.
Shatz, Carla J.: review of *Development of Visual Pathways in Mammals*, edited by Jonathan Stone, Bogdan Dreher, and David H. Rapaport. v228 p67–68 5 Apr 85.
Shearer, J. A. *See* Schindler, D. W.
Shearman, C. W. *See* Chang, N. T.
Shen, Anna L. *See* White, Marga Belle.
Sheppard, Rachel D.; Raine, Cedric S.; Bornstein, Murray B.; Udem, Stephen A.: Measles virus matrix protein synthesized in a subacute sclerosing panencephalitis cell line. v228 p1219–1221 7 June 85.
Sherman, William R. *See* Deuel, Ruthmary K.
Sherr, Charles J. *See* Rettenmier, Carl W.
Shlesinger, Y. and Loya, Y.: Coral community reproductive patterns: Red Sea versus the Great Barrier Reef. v228 p1333–1335 14 June 85.
Shoemaker, Charles. *See* Wong, Gordon C.
Shooter, Eric M. *See* Müller, Hans Werner.
Showalter, Stephen D. *See* Koff, Wayne C.
Shows, Thomas B. *See* Morton, Cynthia C.
Siebold, Eugen: Our responsibility to young scientists (editorial). v228 p273 19 Apr 85.
Sigal, Irving S. *See* DeFeo-Jones, Deborah.
Sikic, Branimir Ivan; Ehsan, Mohamed N.; Harker, W. Graydon; Friend, Nina F.; Brown, Byron W.; Newman, Robert A.; Hacker, Miles P.; Acton, Edward M.: Dissociation of antitumor potency from anthracycline cardiotoxicity in a doxorubicin analog. v228 p1544–1546 28 June 85.
Simmons, James A. *See* Masters, W. Mitch.
Simmons, Roberta G. *See* Heise, David R.
Simon, Melvin I. *See* Lochrie, Michael A.
Singer, Dinah S. *See* Frels, William I.
Singer, Mark S. *See* Rosen, Steven D.
Sklar, J. *See* Cleary, M. L.
Slamon, Dennis J.; Press, Michael F.; Souza, Lawrence M.; Murdock, Douglas C.; Cline, Martin J.; Golde, David W.; Gasson, Judith C.; Chen, Irvin S. Y.: Studies of the putative transforming protein of the type I human T-cell leukemia virus. v228 p1427–1430 21 June 85.
Slatkin, D. N.; Friedman, L.; Irsa, A. P.; Micca, P. L.: The stability of DNA in human cerebellar neurons. v228 p1002–1004 24 May 85.
Smarr, Larry L.: An approach to complexity: numerical computations. v228 p403–408 26 Apr 85.
Smith, Amos B., III; Belcher, Anne M.; Epple, Gisela; Jurs, Peter C.; Lavine, Barry: Computerized pattern recognition: a new technique for the analysis of chemical communication. v228 p175–177 12 Apr 85.
Smith, Darwin D., Jr. *See* Campbell, James W.
Smith, George P.: Filamentous fusion phage: novel expression vectors that display cloned antigens on the virion surface. v228 p1315–1317 14 June 85.
Smith, R. Jeffrey (news and comment): Academic consortia receive first Star Wars grants. v228 p696–697 10 May 85. Administration at odds over Soviet cheating. v228 p695–696 10 May 85. Caltech, MIT deny role in Stars Wars research. v228 p1411 21 June 85. Court gives CIA broad secrecy rights. v228 p566 3 May 85. Court hears suit on biowarfare laboratory. v228 p827–828

17 May 85. Dispute over Soviet testing heats up. v228 p1072 31 May 85. Future AAAS meetings: changes in the wind. v228 p1295 14 June 85. High energy physics: hard sell for SSC. v228 p1295 14 June 85. Judge blocks biological warfare laboratory. v228 p1411 21 June 85. Negotiators report no progress at arms talks. v228 p971–972 24 May 85. A new Soviet missile angers the White House. v228 p155–157 12 Apr 85. NRC finds few risks for atomic vets. v228 p1409 21 June 85. Nuclear proliferation: trouble ahead. v228 p1293–1294 14 June 85. Panel examines costs of nuclear warheads. v228 p565 3 May 85. Scientific fraud probed at AAAS meeting. v228 p1292–1293 14 June 85. Scientific secrecy: an unhealthy trend. v228 p1293 14 June 85. Senators criticize lopsided chemical weapons panel. v228 p831–832 17 May 85. Shuttle encounters landing trouble. v228 p562 3 May 85. Soviet biowarfare efforts cited by Pentagon. v228 p828 17 May 85. Star Wars grants attract universities. v228 p304 19 Apr 85. U.S. tops Soviet in key weapons technology. v228 p478 26 Apr 85. (letter): Arms negotiations. v228 p937 24 May 85.

Snodgrass, Herschell B. and Howard, Robert: Torsional oscillations of the sun. v228 p945–952 24 May 85.

Sodroski, J. G. *See* Allan, J. S.

Sodroski, Joseph; Rosen, Craig; Goh, Wei Chun; Haseltine, William: A transcriptional activator protein encoded by the x-*lor* region of the human T-cell leukemia virus. v228 p1430–1434 21 June 85.

Sokoloff, Pierre. *See* Martres, Marie-Pascale.

Solomon, A. *See* Schwartz, M.

Solomon, Jerry E. *See* Goetz, Alexander F. H.

Solomon, L. *See* Anderson, J. G.

Sommerfield, Charles M.: *Theoretical Concepts in Physics*, by M. S. Longair. v228 p1192 7 June 85.

Somps, Chris and Luttges, Marvin: Dragonfly flight: novel uses of unsteady separated flows. v228 p1326–1329 14 June 85.

Song, Byung-Joon; Gelboin, Harry V.; Park, Sang Shin; Tsokos, George C.; Friedman, Fred K.: Monoclonal antibody–directed radioimmunoassay detects cytochrome P-450 in human placenta and lymphocytes. v228 p490–492 26 Apr 85.

Sorkin, Rafael D.: review of *Quantum Theory of Gravity*, edited by Steven M. Christensen. v228 p572 3 May 85.

Southwood, T. R. E.: review of *Ecological Communities*, edited by Donald R. Strong, Jr., Daniel Simberloff, Lawrence G. Abele, and Anne B. Thistle and *A New Ecology*, edited by Peter W. Price, C. N. Slobodchikoff, and William S. Gaud. v228 p871–873 17 May 85.

Souza, Lawrence M. *See* Slamon, Dennis J.

Spector, Reynold and Goetzl, Edward J.: Leukotriene C_4 transport by the choroid plexus in vitro. v228 p325–327 19 Apr 85.

Spelke, Elizabeth S. *See* Starkey, Prentice.

Squire, Jeremy A. *See* Cavenee, Webster K.

Starkey, Prentice; Gelman, Rochel; Spelke, Elizabeth S.: Detection of number or numerousness by human infants (technical comment). v228 p1222 7 June 85.

Stefansson, Kari; Marton, Linda S.; Dieperink, Michael E.; Molnar, Gabor K.; Schlaepfer, William W.; Helgason, Cathy M.: Circulating autoantibodies to the 200,000-dalton protein of neurofilaments in the serum of healthy individuals. v228 p1117–1119 31 May 85.

Stein-Izsak, C. *See* Schwartz, M.

Steinkamp, John A. *See* Crissman, Harry A.

Stickney, Robert R.: Fisheries research (letter). v228 p1040 31 May 85.

Stolinsky, David C.: On objectivity (letter). v228 p1485 28 June 85.

Stoolman, Lloyd M. *See* Rosen, Steven D.

Stoto, Michael. *See* Ebert, James D.

Strathman, R. R. *See* Emlet, R. B.

Strickler, J. R.: Gravity, drag, and feeding currents of small zooplankton (technical comment). v228 p1017 24 May 85.

Strickler, James. *See* Wang, Alice M.

Strong, Alan E.: "Nuclear winter" models (letter). v228 p792 17 May 85.

Südhof, Thomas C.; Goldstein, Joseph L.; Brown, Michael S.; Russell, David W.: The LDL receptor gene: a mosaic of exons shared with different proteins. v228 p815–822 17 May 85.

Südhof, Thomas C.; Russell, David W.; Goldstein, Joseph L.; Brown, Michael S.; Sanchez-Pescador, Ray; Bell, Graeme I.: Cassette of eight exons shared by genes for LDL receptor and EGF precursor. v228 p893–895 17 May 85.

Sun, Marjorie (news and comment): Biotech policy draws flood of comments. v228 p1296 14 June 85. Biotechnology: focus on viruses. v228 p1294–1295 14 June 85. China plans sweeping reforms in science. v228 p559–560 3 May 85. Cyclamate's safety still unresolved. v228 p 1514–1515 28 June 85. Comings and goings. v228 p1515 28 June 85. Desperately seeking salmonella in Illinois. v228 p829–830 17 May 85. Environmental leadership in state of flux. v228 p1074 31 May 85. Generics, Roche joust for Valium market. v228 p472–473 26 Apr 85. Host of problems threaten national parks. v228 p1413–1414 21 June 85. Illinois traces cause of salmonella outbreak. v228 p972–973 24 May 85. Mixed signals on Stanford biotech patent. v228 p478 26 Apr 85. Possible acid rain woes in the West. v228 p34–35 5 Apr 85. Three plans proposed to avert vaccine shortages. v228 p308–309 19 Apr 85. TV scientists: more good than bad. v228 p1294 14 June 85.

Sutter, John F. *See* Hearn, Paul P.

Swaab, D. F. and Fliers, E.: A sexually dimorphic nucleus in the human brain. v228 p1112–1115 31 May 85.

Swann, Jennifer M. and Turek, Fred W.: Multiple circadian oscillators regulate the timing of behavioral and endocrine rhythms in female golden hamsters. v228 p898–900 17 May 85.

Szybalski, Waclaw. *See* Peltz, Stuart W.

Szyld, Daniel B. *See* Leontief, Wassily.

Szymborski, Kris: review of *Kapitza, Rutherford, and the Kremlin*, by Lawrence Badash. v228 p844–845 17 May 85.

T

Tabakoff, B.: Alcoholism research (letter). v228 p6 5 Apr 85.

Tal, R. *See* Innis, M. A.

Tam, James P. *See* Zavala, Fidel.

Tam, S. H. *See* Chang, N. T.

Tamarkin, Lawrence. *See* Taylor, Philip A.

Tanaka, Kenichi; Isselbacher, Kurt J.; Khoury, George; Jay, Gilbert: Reversal of oncogenesis by the expression of a major histocompatibility complex class I gene. v228 p26–30 5 Apr 85.

Tananbaum, Harvey D. *See* Fazio, Giovanni G.

Taniguchi, Tadatsugu. *See* Seiki, Motoharu.

Tatchell, Kelly. *See* DeFeo-Jones, Deborah.

Taylor, D. W. *See* Crepet, William L.

Taylor, Philip A; Garrick, Nancy A.; Tamarkin, Lawrence; Murphy, Dennis L.; Markey, Sanford P.: Diurnal rhythms of *N*-acetylserotonin and serotonin in cerebrospinal fluid of monkeys (technical comment). v228 p900 17 May 85.

Tedesco, Edward F. *See* Binzel, Richard P.

Temple, Patricia A. *See* Wachsman, William. *See also* Wong, Gordon C.

Teramani, Jeffrey L.: New books from the AAAS (AAAS). v228 p708–709 10 May 85.

Tessier, A. *See* Carignan, R.

Thayer, Charles W.: Brachiopods versus mussels: competition, predation, and palatability. v228 p1527–1528 28 June 85.

Thiele, Dennis J. *See* Hamer, Dean H.

Thieme, Frederick P.: Warren Magnuson (letter). v228 p264 19 Apr 85.

Tholen, David J. *See* Binzel, Richard P.

Thompson, E. Brad. *See* Weinberger, Cary.

Thompson, E. E. *See* Anderson, J. G.

Thornton, George B. *See* Milich, David R.

Tien, Ming. *See* Bumpus, John A.

Tiollais, Pierre. *See* Milich, David R.

Tobey, Robert A. *See* Crissman, Harry A.

Todaro, G. J. *See* Ibbotson, K. J.

Tomasek, James J. *See* Newman, Stuart A.

Tong, Benton. *See* Jaye, Michael.

Tordoff, Harrison B.: *Nest Building and Bird Behavior*, by Nicholas E. Collias and Elsie C. Collias. v228 p173 12 Apr 85.

Tortella, Frank C. and Long, Joseph B.: Endogenous anticonvulsant substance in rat cerebrospinal fluid after a generalized seizure. v228 p1106–1108 31 May 85.

Towe, Kenneth M.: Paleobiology at Caltech (letter). v228 p530 3 May 85.

Tran, Vinh T.; Beal, M. Flint; Martin, Joseph B.: Two types of somatostatin receptors differentiated by cyclic somatostatin analogs. v228 p492–495 26 Apr 85.

Tranel, Daniel and Damasio, Antonio S.: Knowledge without awareness: an autonomic index of facial recognition by prosopagnosics. v228 p1453–1454 21 June 85.

Trentham, David R. *See* Hibberd, Mark G.

Tronick, Stephen R. *See* Callahan, Robert.

Trosper, James H. *See* Young, James F.

Troup, J. M.; Extine, M. W.; Wudl, F.: Electron density distribution in the organic superconductor $(TMTSF)_2AsF_6$: fact and fancy (technical comment). v228 p354 19 Apr 85.

Truhlar, Donald G.: review of *The Quantum Theory of Unimolecular Reactions*, by H. O. Pritchard. v228 p1190–1191 7 June 85.

Truman, James W. *See* Tublitz, Nathan J.

Tsokos, George C. *See* Song, Byung-Joon.

Tsujimoto, Yoshihide; Cossman, Jeffrey; Jaffe, Elaine; Croce, Carlo M.: Involvement of the *bcl*-2 gene in human follicular lymphoma. v228 p1440–1443 21 June 85.

Tublitz, Nathan J. and Truman, James W.: Intracellular stimulation of an identified neuron evokes cardioacceleratory peptide release. v228 p1013–1015 24 May 85.

Tucker, Philip W. *See* White, Marga Belle.

Turek, Fred W. *See* Swann, Jennifer M.

Turner, Jonathan H.: review of *The Chicago School of Sociology*, by Martin Bulmer and *Evaluating Chicago Sociology*, by Lester R. Kurtz. v228 p851–853 17 May 85.

Turner, M. A. *See* Schindler, D. W.

Tuttle, Russell H.: review of *The Origins of Modern Humans*, edited by Fred H. Smith and Frank Spencer. v228 p868–869 17 May 85.

Tuyen, V. V. *See* Pfister, C.

Twardzik, D. R. *See* Ibbotson, K. J.

U–W

Udem, Stephen A. *See* Sheppard, Rachel D.

Ullrich, Axel. *See* Yang-Feng, Teresa L.

Van Arsdell, Janelle N. *See* Wang, Alice M.

Van Cleave, William R.: Arms negotiations (letter). v228 p936–937 24 May 85.

van den Pol, Anthony N.: Silver-intensified gold and peroxidase as dual ultrastructural immunolabels for pre- and postsynaptic neurotransmitters. v228 p332–335 19 Apr 85.

Van der Ploeg, Lex H. T.; Giannini, Suzanne H.; Cantor, Charles R.: Heat shock genes: regulatory role for differentiation in parasitic protozoa. v228 p1443–1446 21 June 85.

Vane, Gregg. *See* Goetz, Alexander F. H.

Vass, William C. *See* DeFeo-Jones, Deborah.

Vogel, S. N. *See* Welch, W. J.

Vogelstein, Bert. *See* Goelz, Susan E.

Vogt, P. R.: review of *The Geology of the Atlantic Ocean*, by K. O. Emery and Elazar Uchupi. v228 p859–860 17 May 85.

von Hippel, Frank: Automobile fuel efficiency (letter). v228 p263–264 19 Apr 85.

Vorhaben, Jean E. *See* Campbell, James W.

Wachsman, William; Golde, David W.; Temple, Patricia A.; Orr, Elizabeth C.; Clark,

Steven C.; Chen, Irvin S. Y.: HTLV *x* gene product: requirement for the *env* methionine initiation codon. v228 p1534–1537 28 June 85.
Waespe, Walter; Cohen, Bernard; Raphan, Theodore: Dynamic modification of the vestibulo-ocular reflex by the nodulus and uvula. v228 p199–202 12 Apr 85.
Waldrop, M. Mitchell (research news): NSF commits to supercomputers. v228 p568–571 3 May 85. Personal computers on campus. v228 p438–444 26 Apr 85. Reagan names space commission. v228 p160–161 12 Apr 85. Sacramento Peak observatory to close? v228 p36 5 Apr 85. Something strange from Cygnus X-3. v228 p1298 14 June 85. A Soviet plan for exploring the planets. v228 p698, 703 10 May 85. Where are the dead quasars? v228 p1185–1186 7 June 85. Why do galaxies exist? v228 p978–980 24 May 85. (news and comment): Landsat threatened again. v228 p308 19 Apr 85. NASA, NOAA make a deal. v228 p309 19 Apr 85. Ohio State, Arizona to build giant telescope. v228 p831 17 May 85. Stockman relents on Landsat. v228 p1074–1075 31 May 85.
Walter, Robert J., Jr. *See* Altar, C. Anthony.
Wang, Alice M.; Creasey, Abla A.; Ladner, Martha B.; Lin, Leo S.; Strickler, James; Van Arsdell, Janelle N.; Yamamoto, Ralph; Mark, David F.: Molecular cloning of the complementary DNA for human tumor necrosis factor. v228 p149–154 12 Apr 85.
Wang, Bi-Chen. *See* Burlingame, Rufus W.
Wang, Elizabeth A. *See* Wong, Gordon C.
Warner, Deborah Jean: review of *James E. Keeler*, by Donald E. Osterbrock. v228 p712 10 May 85.
Watanabe, Philip G. *See* Fox, Tony R.
Watt, K. W. K. *See* Innis, M. A.
Watt, Rosemary. *See* Kaczmarek, Leszek.
Waxman, Henry A.: NIH budget (letter). v228 p130 12 Apr 85.
Waxman, Stephen G. and Ritchie, J. Murdoch: Organization of ion channels in the myelinated nerve fiber. v228 p1502–1507 28 June 85.
Webb, Lawrence X. *See* Gristina, Anthony G.
Webb, Leonard: review of *Tropical Rain Forests of the Far East*, by T. C. Whitmore. v228 p874–875 17 May 85.
Weber, Eckard. *See* Zamir, Nadav.
Wehner, Rüdiger. *See* Fent, Karl.
Weinberger, Cary; Hollenberg, Stanley M.; Ong, Estelita S.; Harmon, Jeffrey M.; Brower, Steven T.; Cidlowski, John; Thompson, E. Brad; Rosenfeld, Michael G.; Evans, Ronald M.: Identification of human glucocorticoid receptor complementary DNA clones by epitope selection. v228 p740–742 10 May 85.
Weinstock, E. M. *See* Anderson, J. G.
Weiss, M. A. *See* Allan, D. W.
Weitzman, M. J. and Weitzman, S. H.: review of *A Permanência de Rodolpho von Ihering*, edited by Melquíades Pinto Paiva. v228 p172–173 12 Apr 85.
Weitzman, S. H. *See* Weitzman, M. J.
Welch, W. J.; Vogel, S. N.; Plambeck, R. L.; Wright, M. C. H.; Bieging, J. H.: Gas jets associated with star formation. v228 p1389–1395 21 June 85.
Werth, Charles R.; Guttman, Sheldon I.; Eshbaugh, W. Hardy: Recurring origins of allopolyploid species in *Asplenium*. v228 p731–733 10 May 85.
West, D. C.; Hampson, I. N.; Arnold, F.; Kumar, S.: Angiogenesis induced by degradation products of hyaluronic acid. v228 p1324–1326 14 June 85.
West, Meredith J.: review of *The Biology of Learning*, edited by P. Marler and H. S. Terrace. v228 p860–861 17 May 85.
Wetherill, George W.: Occurrence of giant impacts during the growth of the terrestrial planets. v228 p877–879 17 May 85.
Wheeler, Ward C. *See* Harrison, Richard G.
White, Marga Belle; Shen, Anna L.; Word, Charlotte J.; Tucker, Philip W.; Blattner, Frederick R.: Human immunoglobulin D: genomic sequence of the delta heavy chain. v228 p733–737 10 May 85.
Whitescarver, S. A.; Ott, C. E.; Jackson, B.; Guthrie, G. P., Jr.; Kotchen, T. A.: Hypertension and sodium salts (technical comment). v228 p352 19 Apr 85.
Whitham, Thomas G. and Mopper, Susan: Chronic herbivory: impacts on architecture and sex expression of pinyon pine. v228 p1089–1091 31 May 85.
Wightman, A. S.: review of *Application of Field Theory to Statistical Mechanics*, edited by L. Garrido. v228 p1521–1522 28 June 85.
Wilkens, Kathleen M. *See* Wong, Gordon C.
Williams, Joseph S. *See* Ballou, W. Ripley.
Williams, Martha E.: Electronic databases. v228 p445–450, 455–456 26 Apr 85.
Wilson, Edward O.: The sociogenesis of insect colonies. v228 p1489–1495 28 June 85.
Wilson, Mark A.: Disturbance and ecologic succession in an Upper Ordovician cobble-dwelling hardground fauna. v228 p575–577 3 May 85.
Wilson, Vincent L. *See* Korba, Brent E.
Winokur, A. *See* Rott, R.
Winston, Ronald. *See* Rodman, Toby C.
Wirtz, Robert A. *See* Ballou, W. Ripley. *See also* Young, James F.
Witek, JoAnn S. *See* Wong, Gordon C.
Wittman, V. P. *See* Innis, M. A.
Wohlenberg, Charles. *See* Cremer, Kenneth J.
Wolff, Linda and Ruscetti, Sandra: Malignant transformation of erythroid cells in vivo by introduction of a nonreplicating retrovirus vector. v228 p1549–1552 28 June 85.
Wolfrum, Jacqueline. *See* Levy, Robert J.
Wolke, R. E. *See* Murchelano, R. A.
Wong, Gordon C.; Witek, JoAnn S.; Temple, Patricia A.; Wilkens, Kathleen M.; Leary, Anne C.; Luxenberg, Deborah P.; Jones, Simon S.; Brown, Eugene L.; Kay, Robert M.; Orr, Elizabeth C.; Shoemaker, Charles; Golde, David W.; Kaufman, Randal J.; Hewick, Rodney M.; Wang, Elizabeth A.; Clark, Steven C.: Human GM-CSF: molecular cloning of the complementary DNA and purification of the natural and recombinant proteins. v228 p810–815 17 May 85.
Wong, James F. H. *See* Callahan, Robert.
Wong-Staal, F. *See* Chang, N. T.
Woo, Savio L. C. *See* Ledley, Fred D.
Woods, Derek E. *See* Dowton, S. Bruce.
Word, Charlotte J. *See* White, Marga Belle.
Wrather, Joan: Corporate involvement fuels science education projects (AAAS). v228 p169 12 Apr 85.
Wright, David. *See* Bumpus, John A.
Wright, H. E., Jr.: review of *Lake Biwa*, edited by Shoji Horie. v228 p1082–1083 31 May 85.
Wright, M. C. H. *See* Welch, W. J.
Wudl, F. *See* Troup, J. M.
Wurtele, Eve Syrkin. *See* Balandrin, Manuel.

X–Z

Xuong, Nguyen-Huu. *See* Burlingame, Rufus W.
Yamamoto, Ralph. *See* Wang, Alice M.
Yang, Li L. *See* Grafstrom, Roland C.
Yang-Feng, Teresa L.; Francke, Uta; Ullrich, Axel: Gene for human insulin receptor: localization to site on chromosome 19 involved in pre-B-cell leukemia. v228 p728–731 10 May 85.
Yayanos, A. Aristides. *See* DeLong, Edward F.
Yednock, Ted A. *See* Rosen, Steven D.
Yoakum, George H. *See* Korba, Brent E.
Yoshida, Mitsuaki. *See* Seiki, Motoharu.
You, I.-S. *See* Ghosal, D.
Young, James F.; Hockmeyer, Wayne T.; Gross, Mitchell; Ballou, W. Ripley; Wirtz, Robert A.; Trosper, James H.; Beaudoin, Richard L.; Hollingdale, Michael R.; Miller, Louis H.; Diggs, Carter L.; Rosenberg, Martin: Expression of *Plasmodium falciparum* circumsporozoite proteins in *Escherichia coli* for potential use in a human malaria vaccine. v228 p958–962 24 May 85.
Youngman, Philip; Zuber, Peter; Perkins, John B.; Sandman, Kathleen; Igo, Michele; Losick, Richard: New ways to study developmental genes in spore-forming bacteria. v228 p285–291 19 Apr 85.
Yue, Genevieve M. *See* Deuel, Ruthmary K.
Zajonc, R. B.: Emotion and facial efference: a theory reclaimed. v228 p15–21 5 Apr 85.
Zamir, Deganit. *See* Zamir, Nadav.
Zamir, Nadav; Zamir, Deganit; Eiden, Lee E.; Palkovits, Miklos; Brownstein, Michael J.; Eskay, Robert L.; Weber, Eckard; Faden, Alan I.; Feuerstein, Giora: Methionine and leucine enkephalin in rat neurohypophysis: different responses to osmotic stimuli and T_2 toxin. v228 p606–608 3 May 85.
Zavala, Fidel; Tam, James P.; Hollingdale, Michael R.; Cochrane, Allan H.; Quakyi, Isabella; Nussenzweig, Ruth S.; Nussenzweig, Victor: Rationale for development of a synthetic vaccine against *Plasmodium falciparum* malaria. v228 p1436–1440 21 June 85.
Zebiak, Stephen E. *See* Cane, Mark A.
Zeilik, Michael: The Fajada Butte solar marker: a reevaluation. v228 p1311–1313 14 June 85.
Zerial, Marino. *See* Bernardi, Giorgio.
Zimmer, Stephen G. *See* Babiss, Lee E.
Zlotnick, Adam. *See* Briggs, Martha S.
Zuber, Peter. *See* Youngman, Philip.